

Step 3 plus

2 - X-ray protection: A

- 1) 1. ♖b6+ ♗xb6 2. ♗xb6
- 2) 1. ♕d5+ cxd5 2. ♗xd5#
- 3) 1. ♗g7+ (1. f7+ ♗xb2+ 2. ♖xb2 ♗xf7) 1. ... ♗xg7 2. fxg7#
- 4) 1. ♗xb7+ ♗xb7 2. ♕xb7#
- 5) 1. ♕xc5+ (1. ♗d3 ♗xd3) 1. ... ♕xc5+ 2. ♗xc5+
- 6) 1. ♗a4 bxa4 2. ♕xa4#
- 7) Drawing
- 8) Drawing
- 9) 1. ♗a8+ ♗xa8 2. ♗xa8#
- 10) 1. ♗f7
- 11) 1. ... ♗xc3+ 2. ♕xc3 ♕xc3+
- 12) 1. ♗xb6+ ♕xb6 2. ♗xb6+

3 - X-ray protection: B

- 1) 1. ♕e6+
- 2) 1. ... ♗e2+
- 3) 1. ... d4
- 4) 1. ♗c4+
- 5) 1. ♕e2+ ♗xe2+ 2. ♗xe2
- 6) 1. ♗b6 ♗xb6 2. ♗xb6
- 7) 1. ... c5 2. ♗c6 (2. ♗xa5 ♕xa5) 2. ... cxb4
- 8) 1. ... ♗g3+ 2. ♖g1 (2. ♗xg3 ♗xf1+ 3. ♕xf1 ♗xg3) 2. ... ♗xf1
- 9) 1. ♕f7
- 10) 1. ♗g6+ ♗xg6 (1. ... ♖h8 2. ♗xg4) 2. hxg6+
- 11) 1. ... ♗xf2
- 12) 1. ♗h5+ (1. ♗xc5 ♗h4+)

4 - X-ray protection: C

- 1) 1. ♗d8+ ♗xd8 2. ♗xd8+
- 2) 1. ... ♗xh3+ 2. ♖h2 ♗xg4
- 3) 1. ... ♗f3+ (1. ... ♗xf4? 2. gxf4 ♗f3+ 3. ♖g2) 2. ♖h1 ♗xf4
- 4) 1. ♗a5 ♗c7 2. ♗a8 ♗cxb7 3. ♗xb8+
- 5) 1. ♗a8+ ♖g7 2. ♗d8
- 6) 1. ♗xd3 ♗xd3 2. ♗xd7
- 7) 1. ♗e1 ♕xe1 2. ♗xe1 (2. ♗xe1)
- 8) 1. ... ♕f3 2. ♗4xf3 ♗hxf3 3. ♗xf3 ♗xf3+
- 9) 1. ♗xg6+ (1. ♗xf6+? ♗xf6 2. ♗xg6+ ♗xg6 3. ♗f8+ ♗g8) 1. ... hxg6 2. ♗xf6+
- 10) 1. ... ♗h6+ 2. ♖g1 ♗xc1+ 3. ♗xc1 ♗xc1+
- 11) 1. ... ♗c1+ 2. ♗b1 (2. ♗xc1 ♗xc1+ 3. ♗b1) 2. ... ♗xb1+ 3. ♗xb1 ♗xb1#
- 12) 1. g4+ ♖g5 2. ♗e5+

5 - Exploiting pinned pieces: A

- 1) 1. ♗xf7 ♗xf7 2. ♗xe8+ (eliminating the defence: capturing + material)
- 2) 1. ... ♗g3 2. ♗e3 ♗xe3 3. ♕xe3 ♗xf1 (double attack: knight)
- 3) 1. ♕g4+ ♗xg4 2. ♗xg4+ (double attack: bishop)
- 4) 1. ♗c5+ ♖c8 2. ♗g4+ (double attack: knight)
- 5) 1. ... ♗e4+ 2. ♕e2 ♗xb1 (double attack: queen)
- 6) 1. b4 (trapping)
- 7) 1. ♗f5 ♗a7 2. ♗h6# (double attack: knight)

- 8) 1. ♖g5+ ♕h8 2. ♖xg3 (2. ♔xf6+) (double attack: queen)
- 9) 1. g4+ ♕xg4 2. ♖xg6+ (eliminating the defence: luring away + material)
- 10) 1. f4 (1. ♔d6? ♖a5) (trapping)
- 11) 1. ♖g6+ (1. ♖c6 ♔xf4+ 2. ♖xf4 ♖c8) 1. ... fxg6 2. ♔xg8 (double attack: knight)
- 12) 1. ♖xd6+ ♖xd6 2. ♖xc4 (eliminating the defence: luring away + material)

6 - Exploiting pinned pieces: B

- 1) 1. ♔a5 (trapping)
- 2) 1. ... b5 2. cxb6 ♖xc4 (double attack: pawn)
- 3) 1. ... ♖xf3 2. gxf3 (2. ♖xf3 ♖d1#) 2. ... ♖xd3 (eliminating the defence: capturing + material)
- 4) Drawing
- 5) 1. ... ♖d3 2. ♖xe4 ♖xb3+ (double attack: rook)
- 6) 1. g4+ (1. ♖f7+? ♔g6) 1. ... ♕h6 2. gxf5 (double attack: pawn)
- 7) 1. ... ♖e5 2. ♔xf7+ ♖xf7 (double attack: knight)
- 8) 1. ... ♔f3 2. ♖g5 ♖xg5 and 3. ♔xg5 ♔xe2 (double attack: bishop)
- 9) 1. ... ♖g5 2. ♖e2 ♖xe3 or 2. ... ♔xe3+ (double attack: queen)
- 10) 1. ♔d4 (trapping)
- 11) 1. ... ♖xf3 2. ♖xf3 ♖xa2 (eliminating the defence: luring away + material; overload)
- 12) 1. ... ♖d1+ 2. ♕g2 (2. ♔xd1 ♖g1#) 2. ... ♖xg4+ (2. ... ♖xg4+? 3. ♕h3) (double attack: queen)

7 - Exploiting pinned pieces: C

- 1) 1. ... ♖xf3+ 2. ♖xf3 ♔xe4 (1. ♖d8+ ♕e7 2. ♖xc7+ ♖xc7 3. ♖xh8)
- 2) 1. ... ♖e3+ 2. ♕b1 ♖xc3 (2. ... ♖xg5? 3. ♖xc8) 3. bxc3 ♖xg5 (double attack: queen)
- 3) 1. ♖xd6+ ♕d8 2. ♖xc4 (double attack: knight)
- 4) 1. ... ♖xg3+ 2. ♕g1 (2. fxg3 ♖xf1+) 2. ... ♖xg2+ 3. ♕xg2 ♖xf1 (double attack: knight)
- 5) 1. ♖xb7+ ♕e8 (1. ... ♖xb7 2. ♖c8#) 2. ♖xd6+ (double attack: knight)
- 6) 1. ♔g4 (trapping)
- 7) 1. ... ♖d3 2. ♕h2 ♖xc3 (double attack: rook)
- 8) 1. ♔e2 (trapping)
- 9) 1. c4 (1. ♖d6 ♖c3) (double attack: pawn)
- 10) 1. ♖d8+ ♕e7 (1. ... ♖xd8 2. ♖xc7 - luring away + material) 2. ♖xc7+ ♖xc7 3. ♖xh8 (x-ray attack)
- 11) 1. ♔e7 ♖xd1 2. ♔xd1 (double attack: bishop)
- 12) 1. ... ♖h5+ 2. ♖h3 ♖xe2 (luring away + material)

8 - Exploiting pinned pieces: D

- 1) 1. ♖g5 fxg5 (1. ... ♖xh3 2. ♖xe8+) 2. ♖xe3 (discovered attack)
- 2) 1. ... ♔b3 (1. ... ♔f3? 2. ♖b1+ ♕c6 3. ♔g5) 2. ♖b1 ♖xd2+ 3. ♕g1 ♖d1+ (3. ... c4) (chasing away + material)
- 3) 1. ♔e4 (trapping)
- 4) 1. ... ♖f3 2. ♖xg5 (2. g3 ♖xd5) 2. ... ♖d1# (double attack: queen)
- 5) 1. ♖h6 ♖e7 (1. ... ♖xh6 2. ♖f7#) 2. ♖g6# (eliminating the defence: luring away + mate)
- 6) 1. ... ♖d3 2. cxd3 (2. ♖e2 ♖xb3+ 3. ♕b1 ♖d2+) 2. ... ♖xb3+ (double attack)
- 7) 1. ♖c5 ♖xd3 (1. ... ♖xc5 2. ♖xd8+) 2. ♖xd3 (3. ♔xd3? b6) (saving a piece)
- 8) 1. ... ♔e4 (trapping)
- 9) 1. ... ♖g4 (double attack)
- 10) 1. ... ♔c3 2. ♖xc3 (2. bxc3 ♖b1+) 2. ... ♖xd2 (double attack: bishop)
- 11) 1. ... ♖xb5 2. ♖a8+ ♕f7 3. ♖a7+ ♖b7 (3. ... ♕f6? 4. ♖f8+) (eliminating the defence: luring away + material)
- 12) 1. ... ♖f3 (2. gxf3 ♖g1#) (trapping)

9 - Mate in two / Pinned pieces: A

- 1) 1. ... ♖g3+ 2. hxg3 ♖h3#
- 2) 1. ... ♖h4+ 2. gxh4 ♖h3#

- 3) 1. ... ♖xg5+ 2. fxg5 ♖g4#
- 4) 1. ... ♗g5+ (1. ... ♗xg4+ 2. ♖xg4!) 2. hxg5 ♖h8
- 5) 1. ♖f4+ g4 (1. ... gxf4 2. ♗f6#) 2. ♖xg4#
- 6) 1. b4+ cxb3 2. c4#
- 7) 1. ♖e8+ ♖xe8 2. ♖xe8#
- 8) 1. ♗g6+ ♗xg6 2. ♖xg8#
- 9) 1. ♖xh6+ ♗xh6 2. ♖h7#
- 10) 1. ... ♗f3+ 2. gxf3 ♖g1#
- 11) 1. ♗d7 ♖xd7 2. ♖f8#
- 12) 1. ♗d4+ cxd4 2. a4#

10 - Pawn endings / Rook pawn: A

- 1) 1. ... ♕d6 2. ♕g5 ♕e7 3. ♕g6 ♕f8 4. h4 (4. ♕h7 ♕f7) 4. ... ♕g8
- 2) 1. ... ♕c6 2. ♕b8 ♕b5
- 3) 1. ... f4 2. gxf4 gxf4 3. ♕xf4 ♕h5
- 4) 1. ... a5 2. ♕b6 ♕e6 3. ♕xa5 ♕d7 4. ♕b6 ♕c8
- 5) 1. ... h3 2. gxh3 ♕g7
- 6) 1. ... ♕f3 (1. ... ♕d3 2. ♕d5 ♕c3 3. ♕c6 ♕b4 4. ♕b7) 2. ♕d6 (2. ♕d5 ♕f4 3. ♕c6 ♕e5 4. ♕b7 ♕d6 5. ♕xa7 ♕c7) 2. ... ♕e4 3. ♕c6 ♕e5 4. ♕b7 ♕d6 5. ♕xa7 ♕c7
- 7) 1. ♕b5 ♕d6 2. ♕b6 ♕d7 3. ♕b7
- 8) Drawing
- 9) 1. ♕e5 ♕d3 2. ♕d5 ♕c3 3. ♕c5
- 10) 1. ♕c6 (1. ♕c7 ♕c5 2. ♕b7 ♕d6 3. ♕xa7 ♕c7) 1. ... ♕a5 (1. ... ♕c4 2. ♕b7 ♕c5 3. ♕xa7 ♕c6 4. ♕b8) 2. ♕b7
- 11) 1. a6 (1. ♕b7 ♕c5 2. ♕xa7 ♕c6)
- 12) 1. ♕f3 ♕e1 2. ♕g4 ♕e2 3. ♕xh4 ♕f3 4. ♕g5

11 - Pawn endings / Rook pawn: B

- 1) 1. a6 (1. ♕b5 ♕d7 (1. ... c5 2. a6 ♕c7)) 1. ... ♕c6 2. ♕a5
- 2) 1. ♕g6 (1. h4? ♕f5 2. h5 ♕f6 3. h6 ♕f7; 1. ♕h6? ♕f5) 1. ... ♕f4 2. h4 ♕g4 3. h5
- 3) 1. ... c4 (1. ... ♕c3 2. ♕xc5 ♕xb3 3. ♕b5 ♕c3 4. ♕xa5) 2. bxc4 ♕xc4 3. ♕xa5 ♕c5
- 4) 1. ... ♕f8 (1. ... ♕f7 2. ♕xh7)
- 5) 1. ♕f2 (1. ♕f1 h3 2. ♕f2 ♕h2 3. ♕xf3 ♕g1) 1. ... ♕h2 (1. ... h3) 2. ♕xf3 ♕g1 3. ♕g4
- 6) 1. ♕f5 (1. ♕f4 h3 2. gxh3 ♕d6 3. ♕f5 ♕e7 4. ♕g6 ♕f8) 1. ... h3 2. gxh3 ♕d7 3. ♕g6 ♕e8 4. ♕g7 ♕e7 5. h4
- 7) 1. a4 (1. ♕f4 ♕xa3 2. ♕e3 ♕xa2 3. ♕d2 ♕b2) 1. ... ♕xa2 2. ♕f4 ♕b3 3. ♕e3 ♕xa4 4. ♕d2 ♕b3 5. ♕c1
- 8) 1. a4+ ♕xa4 2. ♕c2 (2. ♕c1 ♕b5 3. ♕d2 ♕c4 4. ♕e3) 2. ... ♕b4 3. ♕d3
- 9) 1. a3 (1. ♕e5 b4 2. ♕f5 ♕f8 3. ♕e6 ♕e8 4. ♕d5 ♕f7 5. ♕c4) 1. ... ♕f8 2. ♕e6 ♕e8 3. ♕d6 (3. f7+ ♕f8=)
- 10) 1. ... ♕c7 (1. ... ♕c8? 2. a6 ♕c7 3. ♕a7 ♕xc6 4. ♕b8) 2. ♕a7 ♕xc6 3. a6 ♕c7 ♕b8) 2. ♕b7
- 11) 1. a4 (1. ♕b3 ♕a1 2. ♕b4 ♕xa2) 1. ... bxa4 2. a3 ♕c1 3. ♕b4 ♕c2 4. ♕xa4 ♕c3 5. ♕b5
- 12) 1. ... ♕a4 2. ♕c2 ♕b4 3. ♕b1 ♕b3 (3. ... ♕c3 4. ♕a2 ♕d3 5. ♕xa3 ♕e3 6. ♕b2 ♕f3 7. ♕c2 ♕xg3 8. ♕d2 ♕xh4 9. ♕e1 ♕g3 10. ♕f1) 4. ♕a1 a2

12 - Intermediate move: A

- 1) 1. ♗xf6 ♖xd1 2. ♗xg7+ ♕xg7 3. ♖axd1
- 2) 1. ♖e1 ♖xe1 2. ♗xf5+ ♕g7 3. ♕xe1
- 3) 1. ♗xc6 ♖xd1 (1. ... ♖xc6 2. ♖xe7) 2. ♗xe7+ ♕h8 3. ♖xd1
- 4) 1. ♖d4 ♖xd4 2. ♖xb8+ ♕g7 3. exd4
- 5) 1. ... ♗xe5 2. ♖xd8 ♗xf3+ 3. gxf3 ♖xd8
- 6) 1. e5 ♖xb3 (1. ... ♖f1 2. ♖xe6) 2. exf6+ ♕xf6 3. ♖xb3
- 7) 1. ♖xc7 ♖xc7 (1. ... ♖xe3 2. ♖xc8+ ♗xc8 3. fxe3) 2. ♖xe8+

- 8) 1. ♖xd5 ♜xg3 2. ♖xd8+ ♖xd8 3. fxg3
- 9) 1. ♜b5 ♜xb5 (1. ... ♜c7 2. ♜e8#) 2. ♕xd6+ ♖g8 3. axb5
- 10) 1. ... ♖xe3 2. ♜xg6 ♖xe1+ 3. ♖xe1 hxg6
- 11) 1. ... ♕f3 2. ♖xd8 (2. ♖f2 ♕xf2) 2. ... ♕xe2+
- 12) 1. ♗a4 ♗xa4 (1. ... ♖xh7 2. gxh7+ ♖xh7 3. ♗xb6) 2. ♖xd7 ♗c3+ 3. ♖d3

13 - Intermediate move: B

- 1) 1. ♖g4 ♖xg4 2. ♕xd5+
- 2) 1. ♜e7
- 3) 1. ♜f3 ♜xf3 2. ♕xc5+ ♖g8 3. gxf3
- 4) 1. ... ♖xe3 2. ♜xe6 ♖e1+
- 5) 1. ♜f3 ♜xf3 2. ♖xb8+
- 6) 1. ♖a4
- 7) 1. ... ♜c5 2. ♜xc5 ♖xe1+ 3. ♖g2 bxc5
- 8) 1. g5 hxg5 2. hxg5 ♖xd8 3. gxf6+ ♖xf6 4. ♗xd8
- 9) 1. ... ♖c1 2. ♖f2 (2. ♜xb6 ♖d1+ 3. ♖f2 axb6) 2. ... ♖xd1
- 10) 1. ♜d4 ♜e7 (1. ... ♜xd4 2. ♖xe8+ ♖h7 3. ♗xd4) 2. ♖xe8+ ♜xe8 3. ♜xb6
- 11) 1. ♖b6+ ♖xb6 2. ♗xc5+ ♖c6 3. axb6
- 12) 1. ♗c7 ♗xc7 (1. ... ♖b6 2. ♗xe6+) 2. ♜xd4+ ♜xd4 3. ♖xc7+

14 - Intermediate move: C

- 1) 1. ♕h7+ (1. c4? ♕xe4) 1... ♖h8 2. c4
- 2) 1. ♕xh7 ♜xh4 2. ♕g6+ ♖d7 3. ♕xh4
- 3) 1. ♖e4+ (1. ♕xa2? ♖c2+ 2. ♖f3 ♖xa2) 1. ... ♖f8 2. ♕xa2 ♖c2+ 3. ♖e2
- 4) 1. ♕b2 (1. ♕xf6 ♕e6 2. c3 exf6) 1. ... ♜b4 2. ♜xb4 cxb4 3. ♕xf6
- 5) 1. ♖f3+ (1. ♖c6+? ♖e5 2. ♗xd1 b2+ 3. ♖c3 b1♜) 1. ... ♖e5 2. ♗xd1
- 6) 1. h4 ♗xh4 (1. ... ♕xb1 2. ♕g5#) (1. ... g5 2. ♕xg5+ ♖g6 3. ♖xb2) 2. ♖xb2
- 7) 1. ♖g1 (1. ♗xa6 ♗e3) 1. ... ♖b2 2. ♗xa6
- 8) 1. ♖c1 (1. ♖xe2? ♜xb2+) and after 1. ... ♖xe3 follows 2. ♖c8#
- 9) 1. ♗xf5+ (1. ♖xc6? ♗h4+) 1. ... exf5 2. ♖xc6
- 10) 1... g5 (1. ... ♜xf6 2. ♖f4)
- 11) 1. ... ♕d5 (1. ... ♖xe3 2. ♖xd8+ ♖h7 3. ♖xe3) 2. f3 ♖xe3
- 12) 1. ... d5 (1. ... exf4 2. ♜xe4) (1. ... f5 2. dxe5 dxe5 3. ♕g3)

15 - Intermediate move: D

- 1) 1. ♕c5 (1. ♕xg7+? ♖xg7 2. ♖xe7 ♖xd1 3. ♖xd1 ♖c8) 1. ... ♖xd1 2. ♕xe7+ ♖g8 3. ♖xd1
- 2) 1. ♗xd5 ♜xd2 2. ♗xe7+ ♖h8 3. ♕xd2
- 3) 1. ♕f5 ♜xd4 (1. ... ♕xf5 2. ♜xd2) 2. ♕xe6+ ♖g7 3. ♕xd4
- 4) 1. d6 ♜xf5 2. dxe7+ ♖xe7 3. gxf5
- 5) Drawing
- 6) Drawing
- 7) 1. ♗e5 ♜xe2 2. ♗xd7+ ♖g7 3. ♖3xe2
- 8) 1. ♖xc5 (1. ♖xh5+ gxh5+ 2. ♖f1 ♜xb3) 1. ... ♜xb3 2. ♖xc7+ ♖h6 3. axb3
- 9) 1. ... ♕g4 2. ♜xd6 ♕xf3+ 3. ♖g2 ♕xg2+ 4. ♖g1 ♖xd6
- 10) 1. ... ♗d4 (1. ... ♗f4 2. ♜e3) 2. ♜xf6 ♗xe2+ 3. ♖h1 ♕xf6
- 11) 1. ... ♖d1 2. ♜xc6 ♖xe1+ 3. ♖h2 bxc6
- 12) 1. ♕f1 ♕xf1 2. ♖xh7+ ♖f6 3. ♖xf1

16 - Intermediate move: E

- 1) 1. ♗f6 ♖xd2 (1. ... ♖xh2 2. ♖xh2 ♖xd2 3. ♗h5+) 2. ♗xh5+
- 2) 1. ♖b8 (1. ♖xf5? ♜c8) 1. ... ♜xe2 2. ♖xf8+
- 3) 1. ... ♕c5 (1. ... ♕xf4? 2. ♗d5) 2. ♜xd8 ♕xe3#
- 4) 1. ♗xc6 (1. ♗g6? hxg6+) 1. ... ♜xf4 2. ♗xe7+ ♖f8 3. gxf4

- 5) 1. ♖e6 (1. ♖b3? ♜cd5) 1. ... ♙xe6 (1. ... ♜xd2 2. ♖xc5+) 2. ♜xd8
- 6) 1. ♙xf5 ♜xe2 2. ♙xd7+ ♖xd7 3. ♜xe2
- 7) 1. ... ♖e5 (1. ... ♖c5 2. ♜xf7+) 2. ♜xd8 ♖xd3+
- 8) 1. ... d3 2. ♙xg7 dxe2 3. ♜xe2 ♖xg7
- 9) 1. ♜e4 ♜xc3 2. ♜xe8+ ♖g7 3. bxc3
- 10) 1. ♖g6+ ♙xg6 2. ♜xg8+ ♖xg8 3. ♜xe7
- 11) 1. ♖b8 (1. ♖e5? ♜d4 2. ♜xc7 (2. ♖xg6+ hxg6 3. ♜xc7 ♖xe4) 2. ... ♜xe5) 1. ... ♜d4 (1. ... ♜xc3 2. ♖xd7+ ♖xd7 3. ♜xc3) 2. ♜xc7
- 12) 1. ... ♜e2 (1. ... ♜xf4 2. ♜xg6 fxg6 (2. ... ♜xf1+ 3. ♜xf1) 3. ♜xf4+) 2. ♜xg6 ♜xg2+ 3. ♖h1 ♜xd2+

17 - Opening / Tactics: A

- 1) 1. a3 (trapping)
- 2) 1. ♙d6 (pin)
- 3) 1. ♜e3 (double attack: two pieces)
- 4) 1. ... ♖d7 (trapping)
- 5) 1. d6 (1. ♖xe5 f5) 1. ... ♙b7 (1. ... ♖c6 2. ♖xe5) 2. ♜xe5+ (discovered attack)
- 6) 1. Drawing
- 7) 1. ♜d5 (a pinned piece is not a good defender)
- 8) 1. ... f5 (attacking a pinned piece)
- 9) 1. ... f5 (trapping)
- 10) 1. ... ♙xh3 2. ♙xh3 ♜xf2# (eliminating the defence: capturing + mate)
- 11) 1. ♙h6 (threaten mate)
- 12) 1. ... ♜d4 (threaten mate)

18 - Opening / Tactics: B

- 1) 1. ♙f5 (eliminating the defence: chasing away + material)
- 2) 1. ♖b5 ♖g6 2. ♖c7+ (double attack: knight)
- 3) 1. ♖b5 ♜c5 2. ♙xb7 (discovered attack)
- 4) 1. ♙e3 (discovered attack)
- 5) 1. ... ♜xb5 (a pinned piece is not a good defender)
- 6) 1. c4 (trapping)
- 7) 1. ♖c6 (trapping)
- 8) 1. ♙c4 (threaten mate)
- 9) 1. ♜xg4 (a pinned piece is not a good defender)
- 10) 1. b4 (trapping)
- 11) 1. ... ♖c5 (threaten mate)
- 12) 1. ♙xc5+ ♜xc5 2. ♜d8 (eliminating the defence: luring away + mate)

19 - Opening / Tactics: C

- 1) 1.b4 (eliminating the defence: chasing away + material)
- 2) 1. ... b5 (trapping)
- 3) 1. ♜b3 (threaten mate)
- 4) 1. ♜e2 ♙g6 2. ♖d6# (double attack: two pieces)
- 5) 1. ... ♖d4 (eliminating the defence: luring away + mate)
- 6) 1. ♖g5 (discovered attack)
- 7) 1. ♜e1+ (double attack: queen)
- 8) 1. ♖a5 (trapping)
- 9) 1. ... ♖f4 (1. ... ♖e3 2. g3) (threaten mate)
- 10) 1. ♖ed4 (trapping)
- 11) 1. h3 (trapping)
- 12) 1. ♙h3 ♜f6 2. ♙xc8 (double attack: x-ray attack)

20 - Opening / Tactics: D

- 1) 1. ♖c4 ♗a6 2. ♘d6+ (double attack: knight)
- 2) 1. ♙xf6 ♗xb5 2. ♘xb5 (eliminating the defence: capturing + material)
- 3) 1. ... ♗c6 (threaten mate)
- 4) 1. ... ♘e7 (trapping)
- 5) 1. ♚e1 ♗f6 2. ♚e8# (pin)
- 6) 1. ... b5 2. ♙b3 c4 (trapping)
- 7) 1. ... ♙xf3 2. ♗xf3 ♗xg5 (eliminating the defence: capturing + material)
- 8) 1. ... d3 (discovered attack)
- 9) 1. ♗h5 (1. ♘g6+ hxg6 2. ♗f3) (threaten mate)
- 10) 1. ... ♙f8 (trapping)
- 11) White to move! 1. e6 (attacking a pinned piece) The best black move is 1. ... g6.
- 12) 1. ♙d5 (trapping)

21 - Opening / Tactics: E

- 1) Drawing
- 2) Drawing
- 3) 1. ... ♙a6 (trapping)
- 4) 1. ♘b6+ (trapping)
- 5) 1. ♙e4 (trapping)
- 6) 1. ♗f4 ♘h5 2. ♗xf7#
- 7) 1. ♘a4 (trapping)
- 8) 1. ♗e6 (threaten mate)
- 9) 1. ♘b1 (discovered attack)
- 10) 1. ♘d4 ♚b8 2. ♘c6 (discovered attack)
- 11) 1. ♗d2 (trapping)
- 12) 1. ♘e5 (attacking a pinned piece)

22 - Opening / Tactics: F

- 1) 1. ♙b3 (trapping)
- 2) 1. ♙d5 (double attack: x-ray attack)
- 3) 1. ... ♗g5 (threaten mate)
- 4) 1. ... ♘e3 (trapping)
- 5) 1. ♘e6+ (double attack: knight)
- 6) 1. ♘f4 (eliminating the defence: chasing away + mate)
- 7) 1. ♗d2 ♗xd2 (1. ... ♗c5 2. ♚ac1) 2. ♘c7# (eliminating the defence: luring away + mate)
- 8) 1. ♘h4 (discovered attack)
- 9) 1. c3 ♗b6 2. ♘xf6+ (eliminating the defence: chasing away + material)
- 10) 1. ... ♙g4 (pin)
- 11) 1. ♘a4 (threaten mate)
- 12) 1. ... ♘xd5 (discovered attack)

23 - Mini-plans / Exploiting vulnerability: A

- 1) 1. ... ♚f4 2. ♔f1 ♚xc4
- 2) 1. ♘b5
- 3) 1. ♘g5
- 4) 1. ♘g5 ♙g4 2. ♙xf7+
- 5) 1. ♚d4
- 6) 1. ... ♘b6
- 7) 1. ♘g5
- 8) 1. ♚h5
- 9) 1. ... ♗a4 2. e5 (2. c4 ♗xc4) 2. ... ♘fxd5
- 10) 1. ♗f3

- 11) 1. ♖a5
 12) 1. ♖c4 ♜f7 2. ♗h6+; 1. ... g6 2. ♗h6+ ♔g7 3. ♖xe6

24 - Mini-plans / Increasing activity: A

- 1) 1. ♖g4 ♜e7 2. ♖f5
 2) 1. ... ♖d7
 3) 1. ... ♜ae8
 4) 1. ... ♖c6
 5) 1. ... ♜d4
 6) Drawing
 7) 1. ... ♗c6 (1. ... ♜d5 2. ♖f4)
 8) 1. ... ♜xd6
 9) 1. ♗b6+
 10) 1. ♗h4 ♜ad8 (1. ... g6 2. f4 ; 1. ... ♜d8 2. f4 h6 3. fxe5) 2. ♗f5 ♜d7 3. ♖xf6
 11) 1. ♖c5
 12) 1. ♖g4 ♜fe8 2. ♖e6+

25 - Mini-plans / Increasing activity: B

- 1) 1. ♖xe5. The diagonal of the bishop must remain open.
 2) 1. ♔g2. After an exchange on c1, White must be able to take back with a rook.
 3) 1. ... ♗d4. Forces sooner or later (the later the better) a weakness.
 4) 1. f4. The rook on f1 becomes active.
 5) 1. ... e5. Otherwise ♗e5.
 6) 1. d5 exd5 2. ♜xd5. Activates the queen.
 7) 1. ... ♖h5. Maintaining the tension..
 8) 1. ... axb6 (1. ... ♗xb6 2. ♖b3) 2. ♖b3 ♗c5. Pawn a4 is weak and can be attacked now.
 9) 1. ♜g3 followed by f4. Bad is 1. ... ♗xe5 (or 1. ... ♜xe5) 2. ♗f6+.
 10) 1. ... ♗e5 (1. ... ♗b4 2. cxb4 ♖xf3 3. ♜c3+). Black exchanges the bishops.
 11) 1. ♜c1. Black cannot protect ♗c6 in a proper way: 1. ... ♜c8 2. ♖g4.
 12) 1. ... e4. The bishop on f3 must stay on his active post.

26 - Mini-plans / Pawn structure: A

- 1) 1. c4. Resolving a double pawn.
 2) 1. ... c4 2. ♖xc4 ♖xa4. Resolving a double pawn and at the same time exchanging the dangerous passed a-pawn.
 3) 1. ♗c5+ ♗xc5 2. dxc5. Resolving a double pawn and building a pawn duo.
 4) 1. hxg3. Capturing towards the centre.
 5) 1. ... cxb6 (1. ... axb6 2. a4). Preventing that White gets a passed a-pawn.
 6) 1. c4. Resolving a double pawn.
 7) 1. ♜d4 ♜xd4. Resolving a double pawn.
 8) 1. d4. Resolving a backward pawn.
 9) 1. ... c3 2. bxc3 ♖e4. Demolishing the white pawns and resolving an own double pawn
 10) 1. ♜c3 ♜xc3 2. bxc3. Resolving a double pawn
 11) 1. ... b6 2. cxb6 (2. ♗h2 bxc5) 2. ... ♖xb4. Preparing to attack pawn b4.
 12) 1. ♗f5 ♜d8 (1. ... ♖xb2 2. ♗e7+) 2. ♖xf6. Giving Black a double pawn.

27 - Mini-plans / Mix: A

- 1) 1. ♖b3 (1. ♗ec3 ♗xd5 2. exd5 ♜e8)
 2) 1. ♗e4
 3) 1. ♜e1 (1. ♜d4 ♜e5 2. ♜d2 ♜d5) 1. ... ♜f7 2. ♜d4
 4) 1. ♗f6+ ♖xf6 2. ♖xf6
 5) 1. g4 fxg4 (1. ... f4 2. ♗xe4 ♗d5) 2. ♜xg4 (2. hxg4)
 6) 1. ... ♗e4 2. ♜d3 ♗xc3 3. bxc3 ♗d7 4. a4 ♗c5 5. ♜c2 ♖e4

- 7) 1. 0-0-0 (1. 0-0 ♖xc2 2. ♗ad1 ♗d4)
- 8) 1. ... b6 2. ♗h3 ♕a6+ (*Porath-Pomar, Munich 1958*)
- 9) 1. ♗xf6+ gxf6 2. h4
- 10) 1. ♗a4 (1. b6 cxb6 2. ♗a4 e4 3. ♗xb6 ♕d4) 1. ... b6 2. d6 cxd6 3. ♗xb6
- 11) 1. ♕c3 ♗h4 2. d7 ♗xd7 3. ♗b1
- 12) 1. ... h5 2. gxh5 ♗xh5

28 - Mini-plans / Exploiting vulnerability: B

- 1) 1. ♗f4 ♗f5 2. g4
- 2) 1. ♗d8 ♗a6 (1. ... ♗d7 2. ♗xd7) 2. ♗f6
- 3) 1. ♗d3 ♗c7 2. ♗xb3 (2. ♗d6+)
- 4) 1. ♕e4 (1. ♕xg7 ♖xg7; 1. f4 ♕d7) 1. ... ♖f7 2. ♕xg7
- 5) 1. ... ♗g5
- 6) 1. ♗f1 f5 2. ♕xb5 ♕xb5 3. ♗xf5+
- 7) 1. c3 ♗fd8 (1. ... dxc3 2. ♗xc3) 2. cxd4 cxd4 3. ♗xd4 ♗g4+ 4. hxg4 ♗xd4 5. ♖e3
- 8) 1. ♗d2 ♕f8 2. ♕xc5
- 9) 1. ♗b2
- 10) 1. ... ♕c5
- 11) 1. ♗d2 ♕c7 2. ♗h6
- 12) 1. ♗d5 ♗e7 2. ♗xc5

29 - Threaten mate / Bring in the guard: A

- 1) 1. g6
- 2) 1. ... ♗e2
- 3) 1. ... ♗f4
- 4) 1. ♗c5 (1. ♗a8+ ♖d7 2. ♗xb7 ♗e2=)
- 5) 1. ♕f6
- 6) 1. ♗ce1
- 7) 1. ♗g5
- 8) 1. ... ♕f5
- 9) 1. ... ♕b4
- 10) 1. ... ♗c2
- 11) 1. ♕c3 h6 2. ♗xg6+ ♕g7 3. ♗xg7#
- 12) 1. ... ♕g6

30 - Threaten mate / Bring in the helper: A

- 1) 1. ♗f5 ♗b6 2. ♗g7#
- 2) 1. ... ♗g4 2. ♗fe1 ♗xh2+ 3. ♖f1 ♗xf2#
- 3) 1. ... ♗a8
- 4) 1. ... ♗f4 2. ♗xf4 ♗xf4
- 5) 1. ... ♕f3 2. d7 ♗h1#
- 6) 1. d6 (1. ♗a5 ♗c5) 1. ... ♗xd6 (1. ... ♗e4 2. ♗c7#) 2. ♗xd6#
- 7) 1. ♗d5
- 8) 1. ... ♗g3 2. ♕f3 ♗h1#
- 9) 1. g4
- 10) 1. ♗e6
- 11) 1. h4
- 12) 1. ♗g5 fxg5 (1. ... hxg5 2. ♗h5#) 2. ♗xh6#

31 - Threaten mate / Bring in the chaser: A

- 1) Drawing
- 2) Drawing
- 3) 1. ♗g6

- 4) Drawing
- 5) Drawing
- 6) 1. ... ♖h8
- 7) 1. ... ♜h1 2. ♘e2 ♜f1#
- 8) 1. ♖h6 ♖xf6 2. ♖f8#
- 9) 1. ♖e6
- 10) 1. ♖d3
- 11) 1. ... ♖f1 2. a7 ♖xg1#
- 12) 1. ♖e4 dxe4 2. d5#

32 - Mate / Clearing a square: A

- 1) 1. ♜g7+ ♘xg7 2. ♖h7#
- 2) 1. ... g2+ 2. ♘xg2 ♘g3#
- 3) 1. ♜xa7+ ♘xa7 2. ♖b7#
- 4) 1. ♖g6+ hxg6 (1. ... ♜f7 2. ♖xf7#) 2. ♘g7#
- 5) 1. ♜d8+ ♘xd8 2. ♙d4#
- 6) 1. ... ♘f3+ 2. ♙xf3 ♙e5#
- 7) 1. ♖e6+ ♘xe6 2. ♘h6#
- 8) 1. ... ♘e3 (1. ... ♘f4 2. ♖xf4+ ; 1. ... ♘h4 2. ♖f1) 2. ♜xe3 ♖g2#
- 9) 1. ♖xd7+ ♘xd7 2. ♘f7#
- 10) 1. ♖xg5+ fxg5 2. ♘h5#
- 11) 1. ... ♖xf3+ 2. ♜xf3 ♘g4#
- 12) 1. ... ♜xg3+ 2. hxg3 ♘f3#

33 – Creating mate (♙♘): A

- 1) ♙f6 ♘h6
- 2) ♙g5 ♘f6
- 3) ♙d5 ♘g8
- 4) Drawing
- 5) ♙d8 ♘b8
- 6) ♙f8 ♘f4
- 7) ♙b3 ♘d3
- 8) ♙d4/d6 ♘f6
- 9) ♙f3 ♘f5
- 10) ♙f7 ♘f5
- 11) ♙g8 ♘d5
- 12) ♙d8 ♘d6

34 - Creating mate: B

- 1) ♘d3, ♜h6, ♖c4, ♖d4; ♙d5
- 2) ♘e2, ♜f4, ♘d3; ♙e4, ♙d5
- 3) ♘c3, ♖d4; ♙d5, ♙c6, ♙e6
- 4) ♜g6, ♘f8; ♙h6, ♙h5, ♙g7
- 5) ♖e8, ♙g6; ♙h7, ♙g7, ♙h6
- 6) ♘f3, ♜c5, ♙e3; ♙d4, ♙d3
- 7) ♘c2, ♙c3, ♙c6; ♙a4, ♜a3
- 8) ♘f8, ♖c6, ♙e4; ♙e6, ♙e5
- 9) ♘f7, ♖b4, ♘e7; ♙d5, ♙e5
- 10) ♘g6, ♖d4, ♖c3; ♙e5, ♙e6
- 11) ♖d5, ♜d3; ♙e4, ♖f4, ♙c4 (♖f4, ♜c4; ♙e4, ♖d5, ♙d3 is an illegal position: no legal last move)
- 12) ♘f7, ♖h3, ♖f4; ♙h5, ♙g4

35 - Eliminating the defence: A

- 1) 1. ♖d2 ♜e4 2. ♖xd3
- 2) 1. ♗a3 ♜f8 2. ♗xa4
- 3) 1. ... ♗g4 2. ♗g3 ♗xe3
- 4) 1. ♗c7 0-0 2. ♗xd6
- 5) 1. ... ♗e6 2. ♜xg7 ♗xf5
- 6) 1. ... ♜d4 (1. ... ♗d6+? 2. ♖h3 ♜d4 3. ♗xd6) 2. ♗c3 ♜xe4
- 7) 1. ... ♗f5 2. ♜xe7 ♜xe7
- 8) 1. ♗h5+ ♖h8 2. ♗xf6
- 9) 1. ... ♜g4 2. ♗e3 ♜xg3
- 10) 1. ... ♗f2 2. h3 ♗xf1+
- 11) 1. ... ♗e5 2. ♗c2 ♗xc4 (or 2. ... exd5)
- 12) 1. ♗e3 ♗g7 2. ♗xd4

36 - Eliminating the defence: B

- 1) 1. ♗xc6+
- 2) 1. ♜xd5
- 3) 1. ... ♜xg2 2. ♜xg2 ♜f1#
- 4) 1. ... ♜xf4 2. ♗xf4 ♗xe5
- 5) 1. ... ♗xh2+ 2. ♗xh2 ♗g3#
- 6) 1. ... ♗xc3 2. ♗xc3 ♗xe2
- 7) 1. ♗xd7+ (1. ♜xd7+? ♗xd7 2. ♗xd7+ ♖xd7 3. ♗f5+) 1. ... ♗xd7 2. ♗e6#
- 8) 1. ... ♗xd3 (1. ... ♗b4+ 2. ♗c3) 2. exd3 ♗b4+
- 9) 1. ♜xh5+ ♗gxh5 (1. ... ♗fxh5 2. ♗g4#) 2. ♗f5#
- 10) 1. ♗xg5 ♗xg5 2. ♗e7#
- 11) 1. ... ♗xb3 2. ♗xb3 ♜xc4
- 12) 1. ♗xf6 ♗xf6 2. ♗xd7

37 - Eliminating the defence: C

- 1) 1. ... ♜e1+ 2. ♜g1 ♜xg1+ 3. ♖xg1 ♖xg7
- 2) 1. ♗e5+ ♗g7 2. ♗xd4
- 3) 1. ... ♗g7+ 2. ♗c3 ♗xd6
- 4) 1. ... ♗d6+ 2. g3 ♗xf3
- 5) Drawing
- 6) 1. ♗a8+ ♗f8 2. ♗xc6
- 7) 1. ... ♗e4 2. f3 ♗xe3+
- 8) 1. ♗e4+ ♗g6 2. ♗xd3
- 9) 1. ♜h1 ♜h5 2. ♜xh5 gxh5 3. ♗xb3
- 10) 1. ... ♗c5+ 2. ♗xc5+ ♖xa5
- 11) 1. ♗h6 ♗g7 2. ♜xc7
- 12) 1. ... ♗a6+ 2. ♗e2 ♜f8#

38 - Eliminating the defence: D

- 1) 1. ... ♗h3 (Δ 2. ... ♗xh2#) 2. ♗xf3 ♗g2#
- 2) 1. ♗e2 (Δ 2. ... ♗g3#) 1. ... ♗d6 (1. ... ♗e4 2. ♗h6#/♗g4#; 1. ... ♗h5 2. ♗g4#) 2. ♗xf6#
- 3) 1. ... ♗f1 (Δ 2. ... ♗g2#) 2. ♜xf1 (2. ♖xf1 ♗h1#) 2. ... ♗e2#
- 4) 1. ♗c3 (Δ 2. ... ♗b5#) 1. ... ♗xc3 2. ♜a4#
- 5) 1. ♗b4 (Δ 2. ♜e2#) 1. ... ♗d5 (1. ... f3 2. gxh3#) 2. ♜e6#
- 6) 1. ... ♗b4 (Δ 2. ... ♗xa2#) 2. ♜a1 ♜c2#
- 7) 1. ♜e8 (Δ 2. ♗f7#) 1. ... ♗xe8 (1. ... ♜xe8 2. ♗f7#) 2. ♗h7#
- 8) 1. d4 (Δ 2. ♗e5#) 1. ... ♗xd4 2. ♗d2#
- 9) 1. ... ♗f3 (Δ 2. ... ♗h5#) 2. ♗xf3 ♜xh2#
- 10) 1. ... ♜d6 (Δ 2. ... ♜a6#) 2. ♗xd6 ♗b6#

- 11) 1. ♖e6 (Δ 2. ... ♖h3#) 1. ... ♖xe6 2. ♗xh7#
- 12) 1. ... ♖g7 (Δ 2. ... ♖h6#) (1. ... ♖g3? 2. ♗g4) 2. ♖g4 ♖g5

39 - Underpromotion: A

- 1) 1. f8♖+ (1. f8♖? a1♖+ 2. ♖g7+ ♖xg7#) 1. ... ♗f5 2. ♗xa2
- 2) 1. h8♗! (1. h8♖? a1♖ 2. ♖xa1pat) 1. ... ♗a3 2. ♗c2 b3+ 3. ♗c1
- 3) 1. b8♖ (1. b8♖? ♖c6+ 2. ♗b7 ♖xb8 3. ♗xb8 ♗b4) 1. ... ♖c2 2. ♖c6#
- 4) 1. g8♗! (1. g8♖? ♗a1 2. ♖xb3 stalemate)
- 5) 1. e8♗! (1. e8♖? ♗e6+ 2. ♖xe6 stalemate)
- 6) 1. e8♖+ (1. e8♖? ♖d5+ 2. ♗g5 ♗xe8) 1. ... ♗xe8 2. ♗d7#
- 7) 1. g8♗! (1. g8♖? ♗xd5+ 2. ♖xd5 stalemate)
- 8) 1. c8♖ (1. c8♖? ♖xa7+)
- 9) 1. dxe8♗ (1. dxe8♖ ♖e6=; 1. dxe8♖ stalemate)
- 10) 1. g8♗ (1. g8♖? d1♖+ 2. ♗xd1 stalemate)
- 11) 1. e8♖+ (1. a8♖+? ♗c7) 1. ... ♗c7 2. a8♖#
- 12) 1. ... d1♗ (1. ... d1♖? stalemate)

40 - Underpromotion (yes/no): B

- 1) Yes: 1. e8♖ (1. e8♖ ♗f6+)
- 2) No: 1. b8♖ (1. b8♖+? ♗b7 2. ♖xd7 h3)
- 3) Yes: 1. f8♖+ (1. f8♖? ♖xc4) 1. ... ♗h8 2. ♖g6+ ♗h7 3. ♖f8+
- 4) No: 1. d8♖+ (1. d8♖+ ♗h4 2. ♗xd5 stalemate)
- 5) No: 1. bxc8♖ (1. bxc8♖+ ♗a6 2. ♖xd6 ♖xd6)
- 6) Yes: 1. cxb8♗! (1. cxb8♖? ♗h7! 2. ♖xf8 stalemate)
- 7) Yes: 1. c8♖+ (1. c8♗ ♖b4=; 1. c8♖+ ♖b8+ 2. ♗e6 stalemate)
- 8) No: 1. f8♖ (1. f8♖+? ♗f6 2. ♖xg6 g2)
- 9) No: 1. c8♖+ (1. c8♖+? ♗f8) 1. ... ♗h7 2. ♖g8+
- 10) Yes: 1. d8♖ (1. d8♖? ♗xb7+ 2. ♗xb7 ♗xd8)
- 11) No: 1. d8♖ (1. d8♖? ♗g7+) 1. ... ♗g7+ 2. ♖d4
- 12) Yes: 1. exf8♗ (1. exf8♖? d5+ 2. ♗f5 stalemate)

41 - Opening / Develop: A

- 1) 1. d4
- 2) Drawing
- 3) 1. ... d5
- 4) 1. ... ♖c6
- 5) 1. ... ♗c5 2. ♖d2 a5!
- 6) 1. d4
- 7) 1. ♗g5 ♗g7 2. ♗d1
- 8) 1. ... ♗g4
- 9) 1. ... d5
- 10) 1. e4 ♗g4 2. ♖d5
- 11) 1. ♗f4 ♖d7 2. ♖bd2
- 12) 1. ♗g5

42 - Opening / Develop: B

- 1) 1. ♖c3
- 2) 1. fxe5 ♖xe5 2. d4
- 3) 1. ... ♗e6
- 4) 1. ... 0-0
- 5) 1. 0-0
- 6) 1. ... ♗a6
- 7) 1. ♗a3

- 8) 1. ♔a6
- 9) 1. ♔g5
- 10) 1. d4 exd4 2. ♖xd4
- 11) 1. ... e6
- 12) 1. ♗e5

43 - Opening / Best move?: A

- 1) 1. ... c5 Attacking the white centre directly is best. The pawn structure is weakened.
 - 1. ... 0-0 Castling kingside can wait and castling queenside may later also be a possibility. Play flexible and keep all possibilities open.
 - 1. ... b6 Gives White time to play the passive knight on c3 to a better square and he will have c2-c3 at hand in response to c5.
- 2) 1. ♗b5 Playing twice with the knight is fine: pawn d6 cannot be sufficiently protected. After 1. ... d5 2. c5 f6 3. ♗d6+ Kd7 4. ♔e3, 5. ♗f7 follows and after 5. ... ♖c7, 6. ♔b5+ (followed by capturing on d5) is strong.
 - 1. ♖d1 Good move but worse than the knight move.
 - 1. ♔e2 A developing move worse than the other two moves.
- 3) 1. Kf1 The best move against the threat 1. ... ♔xh3.
 - 1. g4 Not immediately losing but weakening. Black develops with 1. ... ♔e6 and he must then open the position.
 - 1. ♗h4 Bad because Black will play 1. ... ♖g3.
- 4) 1. ... ♖d7 Easy to find by eliminating the alternatives.
 - 1. ... ♗c6 Costs material after 2. ♔xd5.
 - 1. ... c6 Costs material after 2. ♔xd5.
- 5) 1. ♖e2 White is a piece down and must win that back. After 1. ... ♔d6 2. ♖xe4 0-0 Black is somewhat better.
 - 1. ♔xe5 Costs time. After 1. ... ♖e7 2. d4 (2. f4 ♖h4+ is worse) 2. ... d6 3. ♖e2 Black can choose between 3. ... ♗xf2 or 3. ... dxe5.
 - 1. d3 Bad. Black can choose between 1. ... ♖f6 and 1. ... ♗xf2. Being a piece, the choice is big.
- 6) 1. ... ♔b4 Good at Step 3 level (prevents ♗d5)
 - 1. ... c6 Good at Step 3 level (prevents ♗d5)
 - 1. ... h6 Annoying for Black is that the bishop doesn't have to move yet. Strong is 2. ♗d5 ♖d8 3. ♗xf6+ gxf6 4. ♔xh6.
- 7) 1. ... 0-0 Dissolves the pin, brings the king to safety and protects pawn g7. The pin over the e-line prevents capturing: 2. ♖xe4 ♖e8 3. ♔e5 d5 4. ♖e3 f6 winning a piece.
 - 1. ... ♖e7 Enough for about equal chances: 2. ♔xg7 ♖g8 3. ♔xh6 ♖b8.
 - 1. ... d5 Just costs a piece after 2. f3.
- 8) 1. ♔a2 The bishop is active for the time being (until Black plays ♔e6). Black has to lose time to play his knight back again.
 - 1. 0-0. Black captures the bishop and is released from the knight at the edge without any loss of time. After 1. ... ♗xc4 2. bxc4 ♔e6 3. b3 h6 Black continues to develop undisturbed.
 - 1. ♔g5 This move is similar to castling. After 1. ... ♗xc4 2. bxc4 0-0 Black's position is easier to play than the white one. This is partly due to the presence of two bishops.
- 9) 1. ... ♔xe4 Otherwise the bishop on g6 is in danger. After 2. ♔xe4 ♗d7 (or 2. ... ♔c5+ 3. ♔h1 ♗d7) Black has no problems.
 - 1. ... ♖d4+ Seems smart because after 2. ♔e3 Black has 2. ... ♖c4 but after 2. ♗f2 the threat 3. f5 winning a piece decides again.
 - 1. ... ♗d7 Costs a piece after 2. f5 (2. ... exf5? 3. ♗d6#).
- 10) 1. ... 0-0 Otherwise Black will be at least a pawn behind: 2. ♔xb4 exf3 3. ♖xf3
 - 1. ... ♔xd2+ This move only helps White's development. After 2. ♗bxd2 ♗xd5 3. dxe4 Black has no compensation for the pawn.
 - 1. ... ♖e7 White plays 2. dxe4 and 2. ... ♗xe4 3. ♔xb4 ♖xb4+ 4. ♗bd2 gives Black problems with the pawn over the e-file.

- 11) 1. e5 Advancing pawns too early is often dangerous, but White is almost done with his development. The knight must go back: 1. ... ♖e8 2. d5 ♗a5 3. ♕d3.
1. ♕d3 The queen is not standing well here and is allowing a counteraction: 1. ... ♗b4 2. ♕e2 d5. Put an end to the two strong centre pawns
1. ♕g5 Allows the well-known sham sacrifice 1. ... ♗xe4 2. ♗xe4 d5.
- 12) 1. ... ♗xe4 That's more compelling and better than 1. ... d5. Black gets his piece back immediately: 2. ♗xe4 d5.
1. ... d5 Is very obvious and not bad. After 2. exd5 ♗bxd5 3. ♖e1 the white pieces are just a bit more active. After 2. a3, 1. ... dxc4 will follow.
1. ... ♖e8 Less compelling. After 2. ♗e5 d5 3. exd5 the white pieces are more active.

44 - Pin / Mix: A

- 1) 1. ♕e7+
- 2) 1. ... ♖b6
- 3) 1. ♗xe5
- 4) 1. ♕h8+
- 5) 1. ♗c5
- 6) 1. ... ♕d3
- 7) 1. ♗b5
- 8) 1. ♖g3
- 9) 1. ♕g5
- 10) 1. ♕b5
- 11) 1. ♗e5 (1. d5 ♗e7) 1. ... ♗xe5 (1. ... ♗e7 2. ♕xd7+) 2. ♖xc8+
- 12) 1. ... ♕f5

45 - Pin / Mix: B

- 1) 1. ♖f4
- 2) 1. ♕xh6
- 3) 1. ♕h4
- 4) Drawing
- 5) 1. ... ♕d3 (1. ... ♕xh3? 2. ♕a6) 2. ♕b5 ♖xf1+
- 6) 1. ♕b5
- 7) 1. ... g4 2. ♗h4 ♖xf1
- 8) 1. ♕e6
- 9) 1. ♕e5 (1. g3? ♗xh3+ and 2. ... ♗g5)
- 10) 1. ♕b6
- 11) 1. ♗c6
- 12) 1. ... ♖b3

46 - The cross pin: A

- 1) 1. ♕c8
- 2) 1. ♖d1
- 3) 1. ... ♕c5
- 4) 1. ♖e1
- 5) 1. ... ♕b6
- 6) 1. ♕d2
- 7) 1. ♕h6
- 8) 1. ♖b7 ♕xa5 2. ♖xd7#
- 9) 1. ... ♕d4
- 10) 1. ♕d1
- 11) 1. ♕f3
- 12) 1. ♖f4

47 - The cross pin: B

- 1) 1. ... ♖d8 2. ♗xb6 ♖xd1+ 3. ♕h2 axb6
- 2) 1. ♗f4 ♕g8 2. ♙xd6 (2. ♗xd6)
- 3) 1. ... ♖e8 2. ♕b1 ♖xe3
- 4) 1. ♗f5+
- 5) 1. ♙b5 ♗xb5 2. ♗c8+
- 6) 1. ♗h6 ♙xe5 2. ♗f8#
- 7) 1. ♙f6
- 8) 1. ♗e7
- 9) 1. ♖xb7
- 10) 1. ♗e7
- 11) 1. ... ♗c3 2. ♗xf6 (2. ♙xc3 ♖b1#; 2. ♔b3 c1♗+/♗e1+) 2. ... ♗xf6 (2. ... ♖xb2? 3. ♖h8+ ♖b8+ 4. ♗xc3) 3. ♙xf6 ♖b1#
- 12) 1. ♖f1 e2 2. ♖xf6 e1♗+ 3. ♖f1+ ♗xh4 4. ♖f8#

48 - The cross pin: C

- 1) 1. ... ♙d3 2. ♗xd3 ♗e1#
- 2) 1. ♙c4
- 3) 1. ... ♖e8 2. ♗xd4 ♖xe1#
- 4) 1. ♖d1 ♖xe3 (1. ... ♖xd1 2. ♖xc3) 2. ♖xd8+
- 5) 1. ♗g1 (1. ♗f2? ♗d7) 1. ... ♙xb2 (1. ... ♙xf5 2. ♙xd4+) 2. ♗xa7
- 6) 1. ♖c5
- 7) 1. ... ♖e2
- 8) 1. ... ♖xd4 2. ♗xd4 ♗f1#
- 9) 1. ♗xc7
- 10) 1. ... ♖c5
- 11) 1. ... ♖g8 2. ♗xc7+ ♕a8
- 12) 1. ♖e2 ♗xe1 2. ♖xa2#

49 Defend against mate: A

- 1) 1. ♙b2
- 2) 1. ♔f1 (1. g3 ♙b6 ; 1. f4 ♗xf4 ; 1. ♕f1 ♙xg2+)
- 3) 1. ♙e6+ (1. ♗xd1 ♗g2#) 1. ... ♗xe6 2. ♗xd1
- 4) 1. ... ♖fc8+ 2. ♕b1 ♔f8
- 5) 1. ... ♙xf4 2. ♗b8+ ♖e8
- 6) 1. ... ♗c1+ 2. ♕h2 ♗h6+ (2. ... ♗f4+ 3. ♕g1)
- 7) 1. ... ♖e1+ 2. ♖xe1 ♗f8
- 8) 1. ... ♗g5+ (1. ... ♙f8 2. ♖xe8 ; 1. ... ♙xf6 2. ♖xe8#) 2. ♗xg5 (2. ♗f4 ♖d8) 2. ... ♙xg5+
- 9) 1. ... ♙xg4 (1. ... ♖h2+ 2. ♕d3)
- 10) 1. ... ♙b5+ 2. ♕e3 ♖f1
- 11) Drawing
- 12) Drawing

50 Defend against mate: B

- 1) 1. ♗f2 (1. ♗c2? ♗xf1+; 1. ♖f2? ♗d1#) 1. ... ♗d3+ 2. ♕a1
- 2) 1. ♖c7+ ♕xb6 (1. ... ♕a8 2. ♖c8+ ♕b7 3. a8♗+) 2. a8♔#
- 3) 1. ♗xh6+ ♕e7 2. ♙xe6
- 4) 1. ... ♔e7 (1. ... h5 2. ♙d3) 2. ♙d3 ♔g6
- 5) 1. ... ♕g8 (1. ... ♖e2+? 2. ♕a3 ♕g8 3. ♖e4+)
- 6) 1. ... ♙d8 2. ♖xd8 g5
- 7) 1. ... ♗f3+ 2. ♙xf3 fxe6
- 8) 1. ... ♗c6 (1. ... ♗f3+? 2. ♗xf3 ♖b1+ 3. ♙f1) 2. ♗xc6 ♖b1+
- 9) 1. ♙h3 (1. ♗xd6? ♙g3) 1. ... ♙g3 (1. ... ♗xh3 2. ♗xf2) 2. ♗g2

- 10) 1. ... c6 (1. ... c5? 2. ♖xb7) 2. ♖xb7 ♗c5+ 3. ♕xb4 ♗xb7
 11) 1. ... ♖h4 (1. ... ♗g8 2. ♗h2#; 1. ... ♖d5 2. cxd5); 1. ♗h2# and 1. ♗g5# threaten.
 12) 1. ... e5 (1. ... ♗xf3+? 2. ♖xf3 ♖xf3+ 3. ♕xf3) 2. f4 e4

51 Defend against mate: C

- 1) 1. ♕c4+ ♕h8 2. ♕e6
 2) 1. ♖c5+ ♖xc5 stalemate
 3) 0-1
 4) 1-0
 5) 0-1
 6) 1. ... f5 2. ♕xf5 ♗f6
 7) 1. ... ♗xh3+ 2. gxh3 ♖d5+
 8) 1-0
 9) 1. ... ♕d8
 10) 1-0
 11) 1. ♗f6 ♗xf6 stalemate
 12) 1. ♕g2 ♖xh2+ 2. ♕f3 ♖h5

52 – Pawn endings / Square of the pawn: A

- 1) 1. c4 ♕a5 2. ♕g3 ♕b6 3. a4
 2) 1. ... a4
 3) 1. e5
 4) 1. a5 ♕c5 2. e5
 5) 1. ... ♕b8
 6) 1. ♕c3 ♕g7 2. ♕d4 ♕f6 3. ♕xe4
 7) 1. ... g5+
 8) 1. e5 (1. b4? ♕xe4 2. b5 ♕d5 ; 1. d5? e5 2. b4 ♕xe4 3. b5 ♕xd5) 1. ... dxe5 2. d5 exd5 3. b4
 9) 1. f4 ♕f6 2. f5 a5 3. ♕d3
 10) 1. ♕g4
 11) 1. b3 b5 2. b4
 12) 1. e5! (1. g4? ♕d4 2. g5 ♕e5 3. b4 cxb4 4. g6 ♕f6 5. e5+ ♕xg6 6. exd6 ♕f6 7. c5 ♕e6) 1. ... dxe5
 2. g4 ♕d4 3. g5

53 – Pawn endings / Square of the pawn: B

- 1) 1. ♕f1 (otherwise 1. ... f2+ 2. ♕f1 ♕f3) 1. ... f4 (1. ... f2 2. ♕e2) 2. gxf4 (2. b6? fxg3) 2. ... ♕xf4 3. b6
 f2 4. ♕e2
 2) 1. ♕a5 (1. f6 c4!) 1. ... ♕e7 2. ♕a4 ♕f6 3. ♕b3
 3) 1. ... g4 (1. ... ♕d2? 2. e4 g4 3. e5 g3 4. e6 g2 5. e7 g1 ♖ 6. e8 ♖) 2. ♕e4 g5 3. ♕d3 ♕d1
 4) 1. ... ♕b7 2. e6 ♕c8
 5) 1. ... ♕c6 2. a6 ♕b6 3. a7 c5+
 6) 1. d4 cxd4 2. c5 h5 3. ♕xd4
 7) 1... f5+ (1... a4? 2. ♕d3 ♕h5 3. g3 ♕g4 4. ♕c4 f5 5. ♕b4 ♕xg3 6. h5) 2. ♕d3 f4
 8) 1. ♕c8 (1. ♕c6? ♕e6 2. ♕c7 ♕f5 3. ♕d6 ♕g4 4. ♕e5 ♕g3 5. ♕f5 ♕xg2) 1. ... ♕e6 2. ♕d8 ♕f5 3.
 ♕e7 ♕g4 4. ♕f6 ♕g3 5. ♕g5 ♕xg2 6. ♕xh4
 9) 1. g4 (1. e5? dxe5 2. g4 ♕xc4) 1. ... ♕d4 2. g5 ♕e5 3. ♕e2 (3. ♕d2)
 10) 1. c3 (1. ♕xa5 b3) 1. ... bxc3 2. ♕a3 a4 3. ♕a2 and Black loses all pawns.
 11) 1. h6 ♕f6 2. ♕b4 b5 (2. ... a5+ 3. ♕b5) 3. ♕c5
 12) 1. h6! (1. f4+? ♕f6 2. exf5 ♕xf5 3. ♕b2 ♕f6 4. ♕c3 ♕g7 5. ♕d4 ♕h6) 1. ... ♕f6 4. exf5
 (Shukurov, 2007)

54 - Discovered attack: A

- 1) 1. ... e5
 2) 1. ... ♗c4

- 3) 1. ♔g5
- 4) Drawing
- 5) Drawing
- 6) 1. ... ♖d4
- 7) 1. ♗h4
- 8) 1. ♗c1
- 9) 1. ♗d2
- 10) 1. ... ♗f6
- 11) 1. f5 (1. ♜g5? = *Granda Zuniga-Svidler, Madrid 1998; 0-1*) 1. ... ♕xg2+ 2. ♖xg2 (2. ♜xg2? ♗h3)
- 12) 1. ♗a4

55 - *Discovered attack: B*

- 1) 1. ♗b5
- 2) 1. ♗f2
- 3) 1. ♕b1
- 4) 1. ♗h4
- 5) 1. ... c4
- 6) 1. ♗g3
- 7) 1. ... ♗c8 2. ♗e5 ♕xe5
- 8) 1. ♗c6
- 9) 1. ... ♗f6
- 10) 1. ♗b5 ♗b3 2. ♗xb3
- 11) 1. ♗d5 ♗g4 2. ♗xf6+
- 12) 1. f5 (1. ♜g5? = *Granda Zuniga-Svidler, Madrid 1998; 0-1*) 1. ... ♕xg2+ 2. ♖xg2 (2. ♜xg2? ♗h3)
New edition: 1. ... ♗g6

56 - *Discovered attack: C*

- 1) 1. d5
- 2) 1. ♕xd5
- 3) 1. ♕h7
- 4) 1. ♗e5
- 5) 1. ♗d5 ♗xd2 (1. ... ♗xd5 2. ♗xa5) 2. ♗c7#
- 6) 1. ♗d4
- 7) 1. ... ♜d1 2. ♗xd1 ♗xc3#
- 8) 1. ♕e6
- 9) 1. ... ♗b6 (1. ... ♗c5 2. ♗c4)
- 10) 1. ♗xf7+ ♜xf7 2. ♗g8#
- 11) 1. ... ♗e4 2. dxe4 (2. ♗xe7 ♗d2#) 2. ... ♗xb4
- 12) 1. ... ♗d7