

Step 3

2 Test / Mix: A

- 1) 1. ... ♖a5+ 2. c3 ♜xe5 (double attack: queen)
- 2) 1. ♙d5 (pin)
- 3) 1. ... ♗xh3+ (1. ... ♜xf3? 2. ♙xf3 ♗xh3+ 3. ♖g2) 2. ♙xh3 ♜xf3+ (elimination of the defence: luring away+material; overload)
- 4) 1. ♗e1 ♜xe4 2. ♗xg2 (2. f3 (double attack: knight))
- 5) 1. ♙e5 ♗ag8 (1. ... ♗g5 2. ♗xg5) 2. g4 (double attack: two pieces)
- 6) 1. ... ♗e2+ (1. ... ♗f3+? 2. ♜xf3) 2. ♖h2 ♗xd1 (discovered attack)
- 7) 1. ♖d6 ♖b8 2. ♗xe7 (double attack: two pieces)
- 8) 1. ♖a6+ ♖c7 2. ♜b7# (mate in two)
- 9) 1. ♜c5 (1. ♖a1 and 1. ♜b6 win less material (double attack: queen))
- 10) 1. ♜d3+ ♖e6 2. ♜d7 (2. ♙d7+ ♖e7 3. ♙xg4 h1 ♜+) (mate in two)
- 11) 1. d6+ ♖xd6 2. ♜xf6+ (elimination of the defence: luring away+material)
- 12) 1. ♙xd6+ ♗xd6 2. ♜xg3 (elimination of the defence: luring away)

3 Test / Mix: B

- 1) 1. ♗xd4 ♜xb4 2. ♗xb4 (discovered attack)
- 2) 1. ♗f7 (double attack: two pieces)
- 3) 1. ♗e7+ ♖h7 2. ♗xf8 (elimination of the defence: chasing away+material)
- 4) 1. ♗e7+ (1. ♜xb6? ♙xg6; 1. ♗e5? ♙xd4) (double attack: knight)
- 5) 1. ♜g6 ♖g8 2. ♜xa6 (double attack: queen)
- 6) 1. ♜e7 (double attack: queen)
- 7) 1. ... ♗f4 2. ♙xf4 ♙xf3+; 2. ♜xb7 ♗xb7 (discovered attack)
- 8) 1. ♙a4 ♗a5 2. ♙c6# (pin)
- 9) 1. ♖a3 (pin)
- 10) 1. ... ♗xa3 2. bxa3 ♗xc3 (elimination of the defence: luring away+material; overload)
- 11) 1. ♗e7+ and 2. ♜xh7# (mate in two thanks to discovered attack)
- 12) 1. ... ♗xc3 and 2. ... ♗xe2; 1. ... b4? 2. ♙f1! (elimination of the defence: capturing+material)

4 Discovered and double check: A

- 1) 1. ♗c6+
- 2) 1. ... ♙b4+ (1. ... ♙xa3 2. ♖f1; Black is a piece down)
- 3) 1. ♗xg8+ ♖xg8 2. ♙xa5
- 4) 1. ♗d6+ (1. ♗a5+ ♗xb3) 1. ... ♖e7 2. ♗xb7
- 5) 1. ♗xb6+ (1. ♗e7+ ♖h7)
- 6) 1. ... ♙xa3+2. ♙e2 ♙xb2
- 7) 1. ... ♗d1# (1. ... ♗c3+ 2. ♗xc4 ♗xc2 3. ♗xc2)
- 8) 1. ♙xd6# (1. ♙g5+? ♜f2 2. ♙h4)
- 9) 1. ... ♙b4#
- 10) 1. ... ♗e6+ (1. ... ♗f4+? 2. ♜e5; 1. ... ♗f2+? 2. ♖b1) 2. ♖c2 ♗xe4
- 11) 1. ♙g5+ (1. ♙xg7+ ♖xg7 2. ♜h7+? ♖xf6) 1. ... ♗xh4 2. ♗xh4#
- 12) 1. ♗d7+ ♖e8 2. ♗xc7

5 Discovered and double check: B

- 1) 1. ♙g5+ ♖c7 (1. ... ♖e8 2. ♗d8#) 2. ♙d8#
- 2) 1. ♗e4+ ♖h6 2. ♜g5#
- 3) 1. ... ♗c1+ 2. ♖xc1 (2. ♖a1 ♗b1#; 2. ♖a3 ♗b3#) 2. ... ♗b1#
- 4) Drawing
- 5) Drawing
- 6) 1. ♗f6+ ♖h8 2. ♜h7#

- 7) 1. ♖d4+ (1. ♖g1+ ♜b4 2. ♖xh2 ♜d2+) 1. ... ♜b4 2. ♖c3#
- 8) 1. ♜f8+ ♜xf8 2. ♖h6#
- 9) 1. ... ♗d4+ 2. ♜e1 ♗c2#
- 10) 1. ... ♗f2+ (1. ... ♗xg3+? 2. ♜g1 ♗xe2+ 3. ♜f2) 2. ♜g1 ♗xh3#
- 11) 1. ♜h7+ ♜xh7 2. ♖xe6#
- 12) 1. ♜h8+ (1. ♜g4+? ♖g6) 1. ... ♜xh8 2. ♜g4#

6 Discovered and double check: C

- 1) 1. ♜g7+ ♜xg7 2. ♜g6#
- 2) 1. ... ♗g3+ 2. ♜g1 ♗e2#
- 3) 1. ♗f5+ ♜g6 2. ♗e7#
- 4) 1. ... ♗g3+ 2. ♜xg3 (2. ♜g1 ♜h1#) 2. ... ♜h4#
- 5) 1. ♜g7+ ♜xg7 2. ♜g5#
- 6) 1. ♜e8+ (1. ♖f5? b5) 1. ... ♜d7 2. ♖b5#
- 7) 1. ♜h5+ ♜d4 2. ♜d6#
- 8) 1. ... ♖f3+ 2. ♜f2 ♖xe4#
- 9) 1. ♖b7+ ♜xb7 2. c8♜#
- 10) 1. ... ♜f2+ 2. ♜xf2 ♜d1#
- 11) 1. ... ♗c4+ 2. ♜d3 ♗xb2#
- 12) 1. ♜f5+ ♜xf5 2. ♜e6#

7 Attack on a pinned piece: A

- 1) 1. ♖g4
- 2) 1. ♜e4
- 3) 1. ♗g5
- 4) 1. e5
- 5) 1. ... ♖d5 (1. ... ♖h3? 2. ♜xc6)
- 6) 1. ... f5 (1. ... ♜e8 2. ♜c4)
- 7) 1. ♜f5 (1. ♜b3 c4; 1. ♜f2 ♜d7)
- 8) 1. g6
- 9) 1. c4
- 10) 1. ... ♖h3
- 11) 1. ... f4
- 12) 1. ... ♗c6 (1. ... ♗f5? 2. ♜xf5)

8 Attack on a pinned piece: B

- 1) 1. ♜ad1 (1. ♜ed1 ♜e7)
- 2) 1. ... ♜f2 (1. ... ♜b3? 2. ♜g2)
- 3) Drawing
- 4) 1. ... ♗e4
- 5) 1. ♖h6 (1. ♖d4? ♜xd4)
- 6) Drawing
- 7) 1. ... ♖f3
- 8) 1. ... ♜a7 (1. ... ♜d8? 2. ♜xd8)
- 9) 1. ... ♗e7
- 10) 1. ♖f1 (1. ♖f3? ♜c1+)
- 11) 1. g3 ♗h3 2. ♖h6#
- 12) 1. ♜h6 (1. ♜g5 ♗g6)

9 Mate in two: Access: A

- 1) 1. ♜xa7+ ♜xa7 2. ♜a2#
- 2) 1. ... ♗g4+ 2. fxg4 ♜h3#
- 3) 1. ♜xg7+ ♜xg7 2. ♜1h7#

- 4) 1. ♖e6+ fxe6 2. ♜f1#
- 5) 1. ♜h6+ gxh6 (1. ... ♗g8 2. ♜e8#) 2. ♜e8#
- 6) 1. ♜xh6+ (1. ♜xh6+ ♗g8!) 1. ... ♙xh6 2. ♜xh6#
- 7) 1. ♜xc6+ bxc6 2. ♜a6#
- 8) 1. ... ♜xh2+ 2. ♗xh2 ♜h4#
- 9) 1. ♙xb7+ ♗xb7 2. ♜c6#
- 10) 1. ♗h5 gxh5 2. ♜xh7#
- 11) 1. ♗g5+ hxg5 2. ♜h5#
- 12) 1. ♜xe6+ (1. ... ♗d8 2. ♜f8#) 1. ... fxe6 2. ♜f6#

10 Mate in two: Access: B

- 1) 1. ♜xh6+ gxh7 2. ♜g8#
- 2) 1. ♜xh7+ ♗xh7 2. ♜h3#
- 3) 1. ... ♜xa2+ 2. ♗xa2 ♜a8#
- 4) 1. ♜xh7+ (1. ♗g6+? hxg6) 1. ... ♗xh7 2. ♜h2#
- 5) 1. ♜g6 (1. ♜h4 h6; 1. ♗xh7 ♗f5; 1. ♙xh7 ♜e7) 1. ... hxg6 2. ♜h3#
- 6) 1. ♜c8+ (1. ♗c7+ ♗b8) 1. ... ♙xc8 2. ♗c7#
- 7) 1. ♜xd8+ ♗xd8 2. ♜e8#.
- 8) 1. ... ♜xh2+ (1. ... ♜e1+ 2. ♗f1) 2. ♗xh2 ♜h8#
- 9) 1. ♜xf5+ (1. ♜g2 ♙xc5) 1. ... exf5 2. ♜g8#
- 10) 1. ♗d6+ ♙xd6 2. ♙d7#
- 11) 1. ♜xa6+ (1. ... bxa6 2. ♜a8#) 1. ... ♗xa6 2. ♜a8#
- 12) 1. ... ♜a3 2. bxa3 ♜b1#

11 Mate in two: Access: C

- 1) 1. ♜xa6+ (1. ♙g2 ♙a7) 1. ... bxa6 2. ♙g2#
- 2) 1. ♜xf7+ (1. ♙b3 ♜f8) 1. ... ♗xf7 2. ♙b3#
- 3) 1. ♜xe6+ (1. ♗b5 ♜xh2+ 2. ♗xh2 hxg5+) 1. ... fxe6 2. ♙g6#
- 4) 1. ... ♜xc3+ (1. ... ♜f5 2. ♙b3; 1. ... ♙a3 2. ♗b1) 2. bxc3 ♙a3#
- 5) 1. ... ♜f3+ 2. gxf3 ♙h3#
- 6) 1. ... ♜b1+ 2. ♗xb1 ♙c4#
- 7) 1. ♜xg7+ ♗xg7 2. ♜g2#
- 8) 1. ... ♗f3+ 2. gxf3 ♜eg8#
- 9) 1. ... ♗g4+ 2. hxg4 ♜h6#
- 10) 1. ♜xh5 (1. ♙xg6 fxg6) 1. ... gxh5 2. ♙h7#
- 11) 1. ... ♜xh3 2. gxh3 ♙f3#
- 12) 1. ... ♜xf2+ 2. ♗xf2 ♙c5#

12 Mate in two: Access: D

- 1) 1. ... ♜xh2+ 2. ♗xh2 ♙e3#
- 2) 1. ♜xa7+ ♗xa7 2. ♗c5#
- 3) 1. ♜xh7+ ♗xh7 2. ♜f5#
- 4) 1. ♜xg7+ ♗xg7 2. ♙e7#
- 5) 1. ♗xc6+ bxc6 2. ♗d7#
- 6) 1. ... ♜xh2+ 2. ♗xh2 ♗f5#
- 7) 1. ... ♜xa2+ 2. ♜xa2 c2#
- 8) 1. ... ♜xa2+ 2. ♗xa2 axb3#
- 9) 1. ... ♗xf2++ 2. ♗g1 ♗h3#
- 10) 1. ♙xb7+ ♗xb7 2. c8♜#
- 11) 1. ♗f6+ gxf6 2. ♗xf7#
- 12) 1. ... ♜xf2+ 2. ♗xf2 ♜e4#

13 Pawn endings / The square of the pawn: A

- 1) 1. ... ♖f5; ½-½
- 2) 1. ... ♖f3 2. a4 ♖e4; ½-½
- 3) 1. ♖f4; 1-0
- 4) 1. ♖c6 ♖e7 2. ♖c7; 1-0

Of course, other moves also win. Stronger players and computer users in particular point to this, but this is Step 3. The king moves require no further thought. Holding off the black king twice and no further risk of doing it wrong. The computer proudly announces that 1. b5 is mate in 13 moves: 1. b5 ♖d7 (the best move for the third step and now even mate in 11)
2. b6 (or 2. ♖b6 ♖c8 3. ♖a7) 2. ... ♖d8 and now wins 3. ♖d6 or 3. ♖b5. Both moves are not obvious moves at this level. We then anticipate lessons 14 and 17 on key squares. We should start in the simplest way possible.

- 5) 1. ♖d5; 1-0
- 6) 1. ... ♖c2; 0-1
- 7) Drawing
- 8) Drawing
- 9) 1. ♖a6 (1. b7? ♖c7 2. ♖a6 ♖b8 and stalemate or the pawn is lost); 1-0
- 10) 1. e6 fxe6 2. c5 ♖f5 3. c6; 1-0
- 11) 1. ♖b5 ♖g6 2. ♖c6 ♖f7 3. ♖d7 1-0
- 12) 1. ... e4 2. dxe4 h5; 0-1

14 Test / Mix: C

- 1) 1. ♖e6+ (discovered check)
- 2) 1. ♖d4 (the square of the pawn, shielding off)
- 3) 1. ... ♜h5+; 2. ... ♜h4# (mate in two access)
- 4) 1. ... ♜d5 (1. ... ♜e3? 2. ♜d6) (attack on a pinned piece)
- 5) 1. ... ♙b4+ and 2. ... ♜e1# (double check)
- 6) 1. ... ♜g4+ 2. hxg4 ♜h2#; 2. ♖h1 ♜xh3# (mate in two access)
- 7) 1. ♜a3+ ♜xb2 2. ♜xa7 (discovered check)
- 8) 1. ♖b6 ♖e7 2. ♖c7 ♖e8 3. d6 (the square of the pawn, helping); 1. ♖b5 is good too but knowledge from lesson 14 is necessary: 14: 1. ... ♖e7 2. ♖c6 ♖d8 3. ♖d6 ♖c8 4. ♖e7 (key squares)
- 9) 1. ♜xa6+ ♖xa6 2. ♜a1# (mate in two access)
- 10) 1. ♖f6+ ♖h8 2. ♜h4# (double check)
- 11) 1. f6 (1. e6?? f6) 1. ... exf6 2. e6 (the square of the pawn, blocking the route)
- 12) 1. ♙e5! (1. ♜e5? ♖xd3) (attack on a pinned piece)

15 Test / Mix: D

- 1) 1. ♙xe5+ ♖b6 2. ♙c7# (mate in two thanks to double check)
- 2) 1. ♜d4 (1. ♜e7 ♜d1+) (attack on a pinned piece)
- 3) 1. b4+ ♖xb4 2. ♖b2 (the square of the pawn)
- 4) 1. ... ♖g5+ 2. hxg5 ♜h8# (mate in two access)
- 5) 1. ♙e1+ (1. ♙xe5+? ♖b7 and ♙e5 cannot capture on g3) (discovered check)
- 6) 1. d4 (the square of the pawn, shielding off)
- 7) 1. ... ♖d3+ 2. ♖b1 (2. ♖d1 ♜f1#) 2. ... ♜f1# (mate in two access)
- 8) 1. ... ♜h7 (1. ... f5? 2. ♜h3+; 1. ... ♜g6 2. ♖h3?) (attack on a pinned piece)
- 9) 1. ♜xh7+ ♖xh7 2. ♜h3# (mate in two access)
- 10) 1. ♙g2 (attack on a pinned piece)
- 11) 1. ♖d6+ ♖xd6 (1. ... ♖f8 2. ♜e8#) 2. ♙g3# (discovered check and luring)
- 12) 1. g3 and 2. ♖xe6 (1. ♖xe6? f4 and 2. ... e3) (keeping the king in the square of the pawn)

16 Elimination of the defence / Capturing: A

- 1) 1. ♜xh8+ and 2. ♜d8#
- 2) 1. ... ♜xh4 and 2. ... ♖f2#
- 3) 1. ♖xc7+ ♙xc7 2. ♙b5#
- 4) 1. ... ♜xd1 and 2. ... ♙f3#
- 5) 1. ♖xh7+ ♖xh7 2. ♖g6#

- 6) 1. ... ♖xd1+ 2. ♜xd1 ♖f1#
- 7) 1. ♖xd4+ and 2. b6#
- 8) 1. ♖xf6+ and 2. ♖e8#
- 9) 1. ... ♖xc4 and 2. ... ♙a3#
- 10) 1. ♖xg7+ ♜xg7 2. ♜h6#
- 11) 1. ♖xb8+ and 2. ♙xb5#
- 12) 1. ... ♖xb3 and 2. ♙c5+

17 Elimination of the defence / Luring away: A

- 1) 1. ... ♖c1+ 2. ♙xc1 ♖e1#
- 2) 1. ♖a8+ ♙xa8 2. ♖e8#
- 3) 1. ♖d8+ ♖xd8 2. ♖xc3+
- 4) 1. ... ♖xd4 2. ♜xd4? ♖xh2#
- 5) 1. ... ♜d4 2. ♜xd4+? ♖c1+
- 6) 1. ... ♖b6+ 2. ♖xb6? ♖f1#
- 7) 1. ♖h8+ ♜xh8 2. ♖xf8#
- 8) 1. ... ♖e3+ 2. fxe3 ♖g3#
- 9) 1. ♖xf6+ ♖xf6 2. ♖d8+
- 10) 1. ... ♖b1+ 2. ♙xb1 ♖f1#
- 11) Drawing
- 12) Drawing

18 Elimination of the defence / Chasing away: A

- 1) 1. a5
- 2) 1. ♖f7+ ♜h8 2. ♖f8#
- 3) 1. ♖g1+ ♜h8 2. ♖xf8#
- 4) 1. f5
- 5) 1. e5
- 6) 1. ♜e7+ ♜h8 2. ♖xf8#
- 7) 1. ... ♙d4+ 2. ♜h1 ♖xf1#
- 8) 1. ... ♜d4
- 9) 1. ... b5 2. ♖xc6 ♖f1+ 3. ♖xf1 ♖xf1#
- 10) 1. ... ♖e3 (1. ... ♖g8 2. ♖b3)
- 11) 1. ♙a5
- 12) 1. ♙e5 ♖b4 2. ♖xf5#

19 Defending against a double attack: A

- 1) 1. ... ♙g7
- 2) 1. ... ♖d5
- 3) 1. ... ♙f6
- 4) 1. ... ♖e6
- 5) 1. ♜g3
- 6) 1. ♜f3
- 7) 1. ... ♙b7
- 8) 1. ... ♖b6
- 9) 1. ... ♙d4!; 1. ... ♙xb2 2. ♙xg6 and 1. ... ♙d8 2. ♜h1 are good defences but win nothing.
- 10) 1. ... ♖b8 (1. ... a5? 2. ♖c6+; 1. ... ♖d8? 2. b4#)
- 11) 1. ... ♖f7 (1. ... ♜h8? 2. ♙c4)
- 12) 1. ♖c6+ (1. ♖b5+? ♜xd4 2. ♖xg5 ♙h3+) 1. ... ♜xd4 2. ♖xc8

20 Defending against a double attack: B

- 1) 1. ... ♖f6+
- 2) 1. ♙g5 (threatens 2. ♙f6#)

- 3) 1. f4 ♖xd4? 2. ♗a8+
- 4) 1. ♗g3 ♖xd4 2. ♗b8+
- 5) 1. ♖h3+ ♗xg1+ 2. ♗xg1+
- 6) 1. ... ♗f4
- 7) 1. ... ♖e7 2. ♜xc5 ♖d6 3. ♗xd7 ♖xc5
- 8) 1. e4 (1. e8♗? ♗c6+) 1. ... ♗xe4 2. e8♗
- 9) 1. ... ♗d6 (1. ... ♗e5? 2. ♗xe4+) 2. ♗xc6 (2. ♗c5 ♗b5+ or ♗e5) 2. ... ♗c4+
- 10) 1. ♗d5 cxd5 2. ♜f1
- 11) 1. ... ♖c7 (1. ... ♜xb5 2. c7; 1. ... ♜b1 2. ♗d5#)
- 12) 1. ... ♗xd5 (1. ... ♗b6? 2. ♗e8+) 2. ♗e8+ ♗g8

21 Double attack: Temptation: A

- 1) 1. ... ♗e3+ (1. ... ♗g5+? 2. ♗f4) 2. ♖c2 ♗xh6
- 2) 1. ♗c3+ (1. ♗d7+? ♜f7) 1. ... ♖h7 2. ♗xc7
- 3) 1. ♗e4+ (1. ♗h8+? ♗b8) 1. ... ♗b7 2. ♗xe5
- 4) 1. ... ♗e5+ (1. ... ♗a5+? 2. b4)
- 5) 1. ♗e1 (1. ♗c6? ♜e7) 1. ... ♜hb4 2. ♗xe6
- 6) 1. ♗f3 (1. ♗e4? ♗f2+ 2. ♖h1 ♗f1+ 3. ♖h2 ♗xh3+) 1. ... ♗e6 2. ♗a8+
- 7) 1. ♗e4 (1. ♗d3 ♗f6) 1. ... g6 2. ♗xa4
- 8) 1. ♗d5+ (1. ♗b3+ ♗c4+) 1. ... ♖h8 2. ♗xb7
- 9) 1. ♗d7+ (1. ♗g4+? ♗g6+) 1. ... ♗f7 2. ♗xc8
- 10) 1. ♗a3 (1. ♗f3? ♜d8) 1. ... h6 2. ♗xa7
- 11) 1. ... ♗f8+ (1. ... ♗b6+? 2. c5) 2. ♗f3 ♗xb4
- 12) 1. ... ♗g6 (1. ... ♗f5? 2. ♜xf4) 2. ♗e2 ♗xg5

22 Double attack: Temptation: B

- 1) 1. ♗h4+ (1. ♗c3+? ♗e5)
- 2) 1. ... ♗b8+; 1. ... ♗d2+? 2. ♗e2
- 3) 1. ... ♗c3; 1. ... ♗b6/d8? 2. ♜a1
- 4) 1. ♗b3+; 1. ♗d5+ ♗e6
- 5) 1. ... ♗c1+; 1. ... ♗c5+? 2. ♗f2
- 6) 1. ... ♗a3+; 1. ... ♗g5+? 2. ♜d2+
- 7) 1. ♗e5; 1. ♗d5/c5? ♗g3+
- 8) 1. ♗d2; 1. ♗e5? ♗b4+
- 9) 1. ... ♗d1+; 1. ... ♗d5+? 2. ♗g2
- 10) 1. ... ♗h3+; 1. ... ♗g4+ 2. ♗g3; 1. ... ♗d3 2. ♜e3
- 11) 1. ... ♗d8+; 1. ... ♗d6+ 2. ♗d3
- 12) 1. ... ♗b6+; 1. ... ♗g4+? 2. ♗g2 or 2. ♗g3

23 Mini plans / Pawn structure: A

- 1) 1. c6 bxc6 2. ♗xa6
- 2) 1. e6 fxe6 2. ♗g5
- 3) 1. ♗xf5 gxf5 2. ♗h4
- 4) 1. a6 bxa6 2. ♗xc6
- 5) Drawing
- 6) Drawing
- 7) 1. ♗xf6 1. ... ♗xf6 2. ♗xc5) 1. ... gxf6 2. ♗h4
- 8) Drawing
- 9) Drawing
- 10) 1. f6
- 11) 1. ... c6 2. ♗xc6 ♜xb2
- 12) 1. ... c5 (to prevent d4)

24 Mini plans / Pawn structure: B

- 1) 1. f5 (resolving a double pawn)
- 2) 1. e5 dxe5 2. ♖xe5 (the black c-pawn has lost its defender)
- 3) 1. ♗xf6 gxf6 2. e3 (gives Black a double pawn; 1. ... ♜xf6 2. ♗xc7 is not possible)
- 4) 1. ... ♗xf3 2. gxf3 (gives White a double pawn; ♗e2 must protect c4)
- 5) 1. ... ♗a5 (White cannot prevent ♗xc3; 2. ♜e3? d4)
- 6) 1. ... ♗h3+ 2. ♖h1 ♜xf3 gxf3 (gives White a double pawn)
- 7) 1. h6 (the pawn was attacked and the black pawn structure gets worse or after 1. ... g6 his king's position is a bad)
- 8) 1. ♗d3 ♜h5 2. ♗xf6 gxf6 (gives Black a double pawn)
- 9) 1. c5 (weakens the black pawn structure)
- 10) 1. ... a5 (Black must protect and pawn c2 remains weak; 1. ... ♜b8 is less good, the rook has better things to do; 1. ... ♜c8 2. ♜xb4 and White has gotten rid of a weak pawn).
- 11) 1. ... gxf6 (1. ... ♗xf6 2. ♗xf5 and White prevents ♗xd3) 2. ♗xf5 fxg5
- 12) 1. ... e5 (weakens the white structure or White must give up a pawn; 2. d5? ♜h4+)

25 Draws / Perpetual check: A

- 1) 1. ♜e8+ ♖h7 2. ♜h5+ ♖g8 3. ♜e8+
- 2) 1. ♜g5+ ♖h7 2. ♜h5+ ♖g7 3. ♜g5+
- 3) 1. ... ♜f2+ 2. ♖h1 ♜f1+
- 4) Drawing
- 5) Drawing
- 6) 1. ♗f6+ ♖f8 2. ♗xh7+ ♖g8 3. ♗f6+
- 7) 1. ♜xg6+ fxg6 2. ♜xg6+ ♖h8 3. ♜h6+
- 8) 1. ♗f7+ ♖g8 2. ♗h6+ ♖h8 3. ♗f7+
- 9) 1. ... ♜d2+ 2. ♖b1 ♜d1+
- 10) 1. ... ♗e3+ 2. ♖g1 ♗f5+ 3. ♖f1 ♗e3+
- 11) 1. ♗h5+ gxh5 2. ♜g5+ ♖h8 3. ♜f6+
- 12) 1. ... ♗g3+ 2. ♖h2 ♗f1+ 3. ♖h1 ♗g3+

26 Draws / Stalemate: A

- 1) 1. ♜d4+ (1. ♜b4+? axb4) 1. ... ♖xd4 stalemate
- 2) 1. ♖c4 ♜xb8 stalemate
- 3) 1. ♜c1 ♜xc1 stalemate (1. ... ♖d3 2. ♜xc3+ ♖xc3 =)
- 4) 1. ... ♖h8 2. ♜xf7 stalemate
- 5) 1. ♜e7+ ♜xe7 stalemate
- 6) 1. ♜g6+ ♗xg6 stalemate
- 7) 1. ♜b7+ ♜xb7 stalemate
- 8) 1. ♜f5+ ♜xf5 stalemate (1. ... ♖h6 2. ♜f6+ ♜xf6 stalemate)
- 9) 1. ♖h4 ♜xf3 stalemate
- 10) 1. ♖a6! ♜xc6 stalemate
- 11) 1. ♗e2+ ♜xg3 stalemate
- 12) 1. ♗d5+ ♗xd5 stalemate

27 Draws / Mix: A

- 1) 1. ... ♗e5+ 2. ♖f5 ♗xd7
- 2) 1. ♗g3 ♜xg3 stalemate
- 3) 1. ♜h7+ ♖g8 2. ♜g7+
- 4) 1. ♜b2+ ♗c2 2. ♜xa2
- 5) 1. ♜b2 and 2. ♜xc2
- 6) 1. ♜f4+ ♜xf4 stalemate
- 7) 1. ... c1♗+ (1. ... c1♜? 2. ♜a2#)
- 8) 1. ... ♜e6+ 2. ♜xe6 stalemate

- 9) 1. ♖b6 ♜e7 2. ♖c5 ♜d8 3. ♖b6
- 10) 1. ♜f6+ ♖xf6 stalemate; 1. ... ♖xf6 2. ♖xb2
- 11) 1. ♜xg7+ ♖xg7 2. ♜g5+ ♖h8 3. ♜f6+
- 12) 1. ... ♖g5 2. ♜g3 ♖f4 3. ♜h4 (3. ♜f3 ♖g5) 3. ... ♖g5

28 X-ray check or attack: A

- 1) 1. ... ♜h5+
- 2) 1. ... ♜c8
- 3) 1. ♜c8+ ♖e7 2. ♜xg8
- 4) 1. ... ♖g5
- 5) 1. ... ♖f5
- 6) 1. ♖g5+
- 7) 1. ♖d5
- 8) 1. ... ♜b4 2. ♜e2 ♜xh4
- 9) 1. ♜h8+
- 10) 1. ♜h5+
- 11) 1. ... ♖b8
- 12) 1. ♖c5+

29 X-ray check or attack: B

- 1) Drawing
- 2) Drawing
- 3) 1. ♜d3+ (1. ♜d1+? ♖d2)
- 4) 1. ... ♖c8 2. ♜xd5 ♖xg4
- 5) 1. ... ♜c1+ 2. ♖e2 ♜xh1
- 6) 1. ♜e3 ♜xf4 2. ♖xh3
- 7) 1. ... ♖h5+
- 8) 1. ♜h5 ♜e7 2. ♖xd5
- 9) 1. ♜d6+ ♖f7 2. ♜xh6
- 10) 1. ♖e7
- 11) 1. ... ♜a7 2. ♜f3 ♜xd7 (2. ... ♜xd7? 3. ♜ad1)
- 12) 1. ... ♜a5+ (1. ... ♜c3+? 2. ♖d5 ♜xc8 3. ♖e7+)

30 Test / Mix: E

- 1) 1. ♖xf6+ ♜xf6 2. ♜xh7# (elimination of the defence: capturing+mate)
- 2) 1. ... ♜f5 (x-ray attack)
- 3) 1. ♖h1 (1. ♖xc5+ ♖xc5 0-1) 1. ... ♜xf2 stalemate
- 4) 1. ♜g4 ♖e5 (otherwise ♜xg6) 2. ♜h4# (elimination of the defence: chasing away+mate)
- 5) 1. ... ♜d1+ 2. ♖f1 ♜h1#; 2. ♜f1 ♜xg2# (elimination of the defence: luring away+mate)
- 6) 1. ... ♜a1+ 2. ♖e2 ♜xg1 (x-ray check)
- 7) 1. ... ♜g6 (defend against a double attack)
- 8) 1. ♜h4 ♜xh4 2. ♜g7#
- 9) 1. ... ♜h7 and 2. ... ♜xb7 (draw by insufficient material)
- 10) 1. ... ♜d8+; 1. ... ♜f4+? 2. ♖e3 (double attack: queen)
- 11) 1. ♜f3; 1. ♜b7? ♖xd4 (double attack: queen)
- 12) 1. ♖a4+ ♖d5 2. ♖b3+ (perpetual check)

31 Test / Mix: F

- 1) 1. ... ♖f8 (1. ... ♖f6? 2. ♖d5) (the square of the pawn, prevent shielding off)
- 2) 1. ♜xc7 ♜xc7 2. ♜e8+ (elimination of the defence: luring away + mate)
- 3) 1. ♜g6+ ♖h8 2. ♜xh6+ ♖g8 (2. ... ♜h7 3. ♜xf8#) 3. ♜g6+ (perpetual check)
- 4) 1. ... ♖f1+ 2. ♖g1 ♜h2# (mate in two thanks to double check)
- 5) 1. ... ♜g7 (defend against a double attack)

- 6) 1. ♖f3 (x-ray attack)
- 7) 1. e4 (attack on a pinned piece)
- 8) 1. ... ♖f8 (pin)
- 9) 1. ♖xc5+ ♖xc5 2. ♕a6# (elimination of the defence: capturing + mate)
- 10) 1. ♖xh5 gxh5 2. ♕h7# (mate in two access)
- 11) 1. ... ♔d2 2. c8♖ ♖e2+ 3. ♔g3 ♖e3+ 4. ♔g2 ♖e2+ (perpetual check)
- 12) 1. ♖c5+ and 2. ♖xb4!; 2. ♖xa7? ♖e1# (double attack: queen)

32 Defending against a pin: A

- 1) 1. ... c6
- 2) 1. ... ♗e6 (1. ... ♗e4? 2. f3)
- 3) 1. ... ♖d7 (1. ... ♖c7 2. ♖xc7)
- 4) 1. ♗e2
- 5) Drawing
- 6) 1. ... ♖xe2
- 7) 1. ♕d3 (1. ♖fb2 ? ♖cb7)
- 8) 1. ♕e2
- 9) 1. ... ♗xf3+
- 10) 1. ... ♗e6
- 11) 1. ♗e2
- 12) 1. ... ♖xg2+

33 Defending against a pin: B

- 1) 1. ♗g5+
- 2) 1. ... ♗xf3 2. ♖xc2 ♗e1+
- 3) 1. ♖h1
- 4) 1. ... ♗d3+; 1. ... ♗g4+? 2. ♔g3
- 5) 1. ♕xf7+
- 6) 1. ... ♖xd1; 1. ... ♖d4? 2. ♖e8+
- 7) 1. ... ♖f6
- 8) 1. ... ♖d8
- 9) 1. ... ♗d3
- 10) 1. ♗b4
- 11) 1. ♖h5+ (1. ♖d3+? ♕e4)
- 12) 1. ... ♖a8

34 Attack on a pinned piece: C

- 1) 1. ♖f6 (1. ♖e1? ♔f7)
- 2) 1. ♕c6 (1. ♕g4 ♖e4+)
- 3) 1. ♗d5 (1. ♗xa8 ♖a8)
- 4) 1. ... ♖b7; (1. ... f5+ 2. ♖f4)
- 5) 1. ♕f3 (1. ♕f1? ♖b7)
- 6) 1. e5 (1. c5? ♕b5)
- 7) 1. ... ♖c8 (1. ... b5? 2. ♕d3)
- 8) 1. ... ♗b2 (1. ... b5 2. ♗a5)
- 9) 1. ... ♕c4 (1. ... ♕g4 2. ♕xb5+)
- 10) 1. ♖d1 (1. e5 ♕e7)
- 11) 1. ♕g7 (1. ♕d2? d4) wins the bishop because 1. ... d4? 2. ♕xd4
- 12) 1. ... ♖d2 (1. ♖d3? ♗b4; 1. ♖d1? ♗xe3; 1. e4? ♗f4)

35 Trapping: A

- 1) 1. a4
- 2) 1. ♗e3

- 3) 1. h4
- 4) 1. ... ♖h8
- 5) 1. ... ♗h4
- 6) 1. ♗a4
- 7) 1. ... c4
- 8) 1. ♕d2
- 9) 1. e5
- 10) 1. ... ♗f6
- 11) 1. ♕e2
- 12) 1. ... ♗b8

36 Trapping: B

- 1) 1. ... ♖a5
- 2) 1. a4
- 3) 1. e5 dxe5 2. fxe5
- 4) 1. g4
- 5) 1. ♗d2 (1. ♗a5 ♕f1; 1. e5+ ♖d7)
- 6) 1. ♗c3
- 7) 1. ♗h4
- 8) 1. ... c4
- 9) 1. ♖g3 (1. ♖ag1 will not work after 1. ... d5 2. ♖g3 dxe4 and f5 will be available)
- 10) 1. ♗f4
- 11) 1. ♗c4
- 12) 1. ... ♕g6

37 Trapping: C

- 1) 1. ... c6 2. bxc6 bxc6
- 2) 1. ... g5 2. hxg5 hxg5 (2. ... ♕xg5)
- 3) 1. f4 gxf4 2. ♕xf4
- 4) 1. ... b5 2. cxb5 axb5
- 5) 1. ... ♗ac4 2. ♗xc4 ♗xc4
- 6) 1. ♕d5 ♗xd5 2. ♖xd5
- 7) 1. b5 axb5 2. cxb5
- 8) 1. ♗eg5 (1. ♗fg5? ♗xe4) 1. ... hxg5 2. ♗xg5
- 9) 1. ... g5 2. hxg5 fxg5
- 10) 1. ♗fd4 (1. ♗bd4? ♗xf3+) 1. ... exd4 2. ♗xd4
- 11) Drawing
- 12) 1. ♖e4 ♗xe4 2. ♖xe4

38 Pawn endings / Marking the key squares: A

- 1) a4, b4, c4
- 2) e4, f4, g4
- 3) e7, f7, g7
- 4) b3, c3, d3
- 5) c6, d6, e6
- 6) b7, b8, c8, d8, d7
- 7) f3, g3, h3
- 8) e2, f2, g2
- 9) a5, b5, c5
- 10) Drawing
- 11) Drawing
- 12) Drawing

39 Pawn endings / Key squares: A

- 1) 1. ♖c6 ♖d8 2. ♖b7
- 2) 1. ♖g6 ♖g8 2. g5 ♖h8 3. ♖f7
- 3) 1. ♖g5 ♖h7 2. ♖f6
- 4) 1. ♖d6 ♖e8 2. ♖c7 (2. d5 wins too of course, but less quickly)
- 5) 1. Kb6! (1. b6? stalemate; 1. Kc6 Ka7! 2. Kc7 Ka8 is the starting position) 1. ... Kb8 2. Ka6 Ka8 3. b6 Kb8 4. b7
- 6) 1. c5 ♖c8 2. ♖c6 ♖b8 3. ♖d7
- 7) 1. ♖e5 ♖e7 2. ♖d5 (or first 2. d4) 2. ... ♖d7 3. d4
- 8) 1. ♖e6 (1. e4 ♖f8 2. e5 ♖e8 3. ♖e6) 1. ... ♖f8 2. e4 ♖e8 3. e5
- 9) 1. b3 (1. ♖b4 ♖b6 2. b3) 1. ... ♖b6 2. ♖b4 ♖a6 3. ♖c5
- 10) 1. ♖e6 ♖g7 2. f5 ♖f8 3. ♖f6
- 11) 1. g8♙+ ♖xg8 2. ♖g6
- 12) 1. ♖d5 ♖e7 2. ♖c6

40 Exploiting pinned pieces: A

- 1) 1. ♖xd7#
- 2) 1. ♘b6#
- 3) 1. ♖g8#
- 4) 1. ... ♖f1#
- 5) 1. ♖xh7#
- 6) 1. ♖b6#
- 7) 1. ♖xf5#
- 8) 1. ♗f8#
- 9) 1. ♗xe6#
- 10) 1. ♖xh7#
- 11) 1. ... ♗e1#
- 12) 1. ♘f7#

41 Exploiting pinned pieces: B

- 1) 1. Pf6+ (double attack)
- 2) 1. c8D (1. Lxd6+? Kd7) (cashing in a passed pawn)
- 3) 1. ... Pg3# (mate in one)
- 4) 1. ... Pxe2+ (capture an unprotected piece)
- 5) 1. Lxd5 (capture an insufficient protected piece)
- 6) 1. Txe6+ (capture an unprotected piece)
- 7) Drawing
- 8) 1. Df8# (mate in one)
- 9) 1. Txe7 (capture an unprotected piece)
- 10) 1. Txe4 (capture an insufficient protected piece)
- 11) 1. Dd8# (mate in one)
- 12) 1. Txe7 (capture an insufficient protected piece)

42 Exploiting pinned pieces: C

- 1) 1. Pc6+ (double attack)
- 2) 1. ... Pe2+ (1. ... Lxg2? 2. Txf4+; 1. ... Pxg2 2. b5) (double attack)
- 3) 1. Texb4 (capture an insufficient protected piece)
- 4) 1. ... Pg3 (double attack)
- 5) 1. ... Pxb7 (1. ... g4? 2. b8D)
- 6) 1. Lxd7 (1. Dxd7? Dxc2#) (capture an insufficient protected piece)
- 7) 1. ... Txd3 (capture an insufficient protected piece)
- 8) 1. ... Lf3 (double attack)

- 9) 1. Te6# (mate in one)
- 10) 1. ... Dc3 (double attack)
- 11) 1. Dxd5+ (double attack)
- 12) 1. Pe6 (trapping)

43 Exploiting pinned pieces: D

- 1) 1. ... Df2+ 2. Kh1 Lxf3+ (eliminating the defence: chasing away+material)
- 2) 1. Pxf6+ Kh8 2. Dxc5 (eliminating the defence: capturing away+material)
- 3) 1. ... Txf3+ 2. gxf3 Dxd5+ (eliminating the defence: capturing away+material)
- 4) 1. e5+ Kxe5 2. Pxe7 (2. Dxe7+ Dxe7 3. Pxe7 g6) (eliminating the defence: luring away+material)
- 5) 1. Pb3+ (eliminating the defence: chasing away+material)
- 6) 1. Pg6+ Txc6 2. Dxc7# (eliminating the defence: luring away+mate)
- 7) 1. T1xe6 Txe7 2. Txe7 (eliminating the defence: luring away+mate)
- 8) 1. Da8+ Pb8 2. Lxb7# (2. Dxb7#) (eliminating the defence: luring away+mate)
- 9) 1. Pxc6+ Pxc6 2. Dxc6 (eliminating the defence: luring away+material)
- 10) 1. Txc6+ (1. Dxc7+? Dxc7 2. Txc7+ Kh8) 1. ... Kxc6 2. Dxc8 (eliminating the defence: luring away+material)
- 11) 1. ... Lc3 2. Td6 (2. Pxc3 Te1#) 2. ... Txe2 (eliminating the defence: chasing away+material)
- 12) 1. Dxd8+ Lxd8 2. Tc8# (eliminating the defence: luring away+mate)

44 Exploiting pinned pieces: E

- 1) 1. Pxc6+ Kh7 2. Dxc5 (eliminating the defence: capturing away+material)
- 2) 1. Txf5 Dxf5 (1. ... De7 2. Tf8+) 2. Dg7# (eliminating the defence: luring away+mate)
- 3) 1. Pd6 Lg8 (1. Te7 2. Txe5) 2. Pxe8 (eliminating the defence: luring away+mate)
- 4) 1. Txe7+ Txe7 2. Dxd5+ (eliminating the defence: capturing away+material)
- 5) 1. ... Txf6 2. exf6 (2. Dxf6 Dxc2#) 2. ... Dxc5 (eliminating the defence: luring away+mate)
- 6) 1. ... Lxa3 2. Ke2 Lxb2 (eliminating the defence: luring away+material)
- 7) 1. ... Lxb3 2. Dxb6 axb6 (eliminating the defence: capturing away+material)
- 8) 1. Txe4 Dxe4 2. Dxd6# (eliminating the defence: slaan+mat)
- 9) 1. Pxd5 Txc2 (1. ... Pxd5 2. Dxc6) 2. Dxc2 (eliminating the defence: luring away+material)
- 10) 1. Tb8+ Dxb8 2. Dxd7# (eliminating the defence: luring away+mate)
- 11) 1. Lxc6+ Kxc6 2. Dxe6+ (eliminating the defence: luring away+material)
- 12) 1. ... Tf2+ 2. Kd1 (2. Ke1 Ta2) 2. ... Txe3 (2. ... Lxe3? 3. Te1) (eliminating the defence: chasing away+material)

45 The pin: Unpinning: A

- 1) 1. ... Dxb5 2. Pd6+ Lxd6 Pxb5 (luring away the pinning piece)
- 2) 1. ... Lxe4 2. Dxf6+ Kxf6 3. Lxe4 (capturing the pinning piece)
- 3) 1. Dxf5 Dxc1+ 2. Kxc1 gxf5 (capturing the pinning piece)
- 4) 1. Pxc5 Pf6+ 2. Kf5 dxc5 (protecting the back piece with check)
- 5) 1. Dxe5 Dxd1+ 2. Kxd1 Lxe5 (capturing the pinning piece)
- 6) 1. Pxf6 Te7+ 2. Kd2 gxf6 (protecting the back piece with check)
- 7) 1. ... Dxe5 2. Dc4+ Kh8 3. Pxe5 (moving away the back piece with check)
- 8) 1. ... Pxb5 2. Ld2 Db6 3. axb5 (protecting the back piece with attack)
- 9) 1. a7 Te1+ 2. Kh2 Pxa7 (moving away the back piece with check)
- 10) 1. ... Dxd3 2. De1+ Kf7 3. Pxd3 (moving away the back piece with check)
- 11) 1. Dxd5 Tf1+ 2. Txf1 exd5 (luring away the pinning piece)
- 12) 1. Pxe4 Pe5 2. Dd4 dxe4 (protecting the back piece with attack)

46 The pin: Unpinning: B

- 1) 1. Pxf6 Lg6 (chasing away the pinning piece)
- 2) 1. ... Pxc3 2. Le3 De7 3. fxc3 (chasing away the pinning piece)
- 3) 1. Txb4 Le6+ (1. ... cxb4 2. Txc8) 2. g4 cxb4 (protecting the back piece)

- 4) 1. ... Pc5 2. Db4 (moving away the back piece with check)
- 5) 1. ... Pe4 2. 0-0-0+ Ke7 3. Pxe4 (moving away the back piece with check)
- 6) 1. ... La5 2. b4 cxb4 3. Pxd5 (eliminating the pinning piece by interposing)
- 7) 1. Lxc6 Dc5 (counter-pin)
- 8) 1. Dxc4 (1. Dxf5 Dxf5 (1. ... Lc5+? 2. Dxc5)) 1. ... Lc5+ 2. Kh1 fxc4 (moving away the back piece with check)
- 9) 1. Txc3 Lh3+ 2. Kg1 Pxc3 (creating a flight square for the king)
- 10) 1. Txd4 Tc2+ 2. Kf1 Pxd4 (protecting the back piece with check)
- 11) 1. ... Dxe4 2. Dg5 g6 3. dxe4 (moving away the back piece with a threat)
- 12) 1. ... Lxd4 2. Dd2 (2. Dd3 Lxb2 3. Dxd7 Dxd7 4. Txd7 Lxa1) (counter-pin)

47 The pin / Mix: A

- 1) 1. ♖c2 (1. ♖c1? ♗xf2+)
- 2) 1. ♗c5
- 3) 1. ♖d3
- 4) 1. ... ♗xg5
- 5) 1. ... ♘b3+
- 6) 1. ♖f4
- 7) 1. ♖d4
- 8) 1. ... ♘h4+
- 9) Drawing
- 10) 1. ♖g3
- 11) 1. ♖b7
- 12) 1. ♗e6

48 Defending against a threat: A

- 1) [♘d7] 1. 1. ... ♖d4 2. ♗f1 ♘xc1 (2. ... ♖d1+? 3. ♗e2 ♖xc1 4. ♘d7)
- 2) [♗xe2] 1. ... ♗b2 (1. ... ♖d2 2. ♗e1)
- 3) [♖b2 and g4#] 1. ♗g2 (1. b7 ♖b2)
- 4) [♖d1] 1. ... ♖e8
- 5) [♖xc1+ and ♖e1#] 1. ♖d7 ♖xc1+ 2. ♗xc1 ♖e1+ 3. ♖d1
- 6) [♖f6] 1. ... ♗d6
- 7) 1. ♗f1 (1. ♗h2 ♘g4+ 2. hxg4 ♖h4#)
- 8) [♗c3] 1. ... ♖e5
- 9) [d1♖+] 1. ♗d7+ ♗f8 2. ♗a4 b5 3. ♗b3 (3. ♗c2? ♗d3)
- 10) [♗d2; a3? ♗d6] 1. ... ♘d7
- 11) [♖d8+] 1. ... ♗d2 (1. ... b5 2. ♖f1; 1. ... ♖f8 2. ♖d8)
- 12) [♘f6] 1. ... ♖b4 2. ♘f6 ♖h4

49 Defending against a threat: B

- 1) 1. ♖d3 ♖xe1+ 2. ♗xe1+ ♖xe1 3. ♖f1
- 2) 1. ... ♗g5 2. ♖xg5 ♖f7
- 3) [♘g6+ and ♖h1#] 1. ... g6 (1. ... c5 2. ♘g6+ hxg6 3. ♖h1#)
- 4) [♘h2#] 1. ... ♖d2+ 2. ♘d2 h4
- 5) [♖g8+] 1. ... ♖d7 (1. ... fxc5 2. ♖d4+; 1. ... ♖xb2 2. ♖g8+ ♖xg8 3. ♘f7#)
- 6) [♖xb7] 1. ... ♖a4 (1. ... ♖xc7 2. ♗xc7 ♖a4 3. ♖f3 0-0) 2. ♖xa4 ♘xc7
- 7) [♘xe6+ and ♗xg7#] 1. ... ♘f6 (1. ... ♖a7 2. ♘xe6+ fxe6 3. ♗xg7#)
- 8) 1. ... ♗h5 (1. ... ♗xh3 2. ♖xh4+; 1. ... ♗d7 2. ♖xh4+)
- 9) [♖g7+ and ♘g6#] 1. ... ♗g5 (1. ... c3 2. ♖g7+ ♗xg7 3. ♘g6#)
- 10) 1. ... ♖c6 (1. ... ♖xe4 2. ♖xd8+ ♗xd8 3. ♖e8#)
- 11) 1. ... ♖f4 2. ♖c2 ♖b8
- 12) [♘h2#] 1. ... ♗d5 2. cxd5 ♖xd5

50 Defending against a threat: C

- 1) [hxcg5] 1. ♖d2 (1. ♗h4 g5 2. ♜xcg5 hxcg5 3. ♗xcg5; 1. g4 hxcg5) 1. ... ♜c7 2. ♗f4
- 2) 1. ♖e1 (1. ♖xd4? ♖xd4) 1. ... ♖xe4 2. ♖xe4 ♖d1+ 3. ♗f1
- 3) 1. ♜xf3 (1. exf3? ♖e3+)
- 4) 1. ♜c6 ♗xc6 2. ♖c4+
- 5) [♜f6] 1. ... f5 (1. ... ♜xc1? 2. ♜f6) 2. ♜f2 ♜bd4
- 6) 1. ... ♗a4 2. ♖xe8+ ♖xe8
- 7) 1. ♖e4 (1. ♖e3? ♖xd4 2. ♖g3+ ♜f8)
- 8) [♜xd7] 1. ... axb5 2. ♖a8+ ♜c7
- 9) 1. ... ♗e7 (1. ... ♗g7? 2. ♖xe6 fxe6 3. ♜f7#)
- 10) 1. ... ♖h3 (1. ... ♖xd4 2. ♖xf8+ ♜xf8 3. ♖c8#)
- 11) 1. ... ♗g3 2. ♖xh5 (2. ♜b1 ♗f4) 2. ... ♗f4
- 12) 1. ... ♖f4 (1. ... g6 2. ♖h4 ♜f5 3. ♖f6; 1. ... ♖h6 2. ♖xf7+)

51 Defending against a threat: D

- 1) 1. ♜e2 (1. ♗g3 ♖xd4)
- 2) 1. ♖b3 ♗c5 2. ♜g2
- 3) [♖b4#] 1. a3 (1. ♖c4 ♖a3+ 2. ♖a4 ♖c3+)
- 4) [♜g6] 1. ♜f8 (1. b7? ♜g6 2. ♜f8+ ♜f7; 1. ♜g8 ♖xb6 2. ♜f8 ♖h6)
- 5) [♜f2] 1. ... f5 (1. ... ♜f7 2. ♜f2) 2. ♜f2 f4
- 6) 1. ♖d2 (1. ♖xe4 ♗a2+; 1. ♗c3 ♜d5 2. ♖c1)
- 7) [♖b1] 1. ... c5 2. ♖b1 c4
- 8) [♗e7] 1. ♖aa1 (1. ♜f1 ♗e7) 1. ... ♖xb4 2. ♖xb4 ♖xb4 3. ♖a8+
- 9) 1. ... a6 (1. ... b5? 2. a6 b4 3. b3 (3. ♜c2) ; 1. ... b6 2. a6 b5 3. ♜c2) 2. ♜c2 b6 (2. ... b5)
- 10) 1. ♖f1 (1. ♖d2? ♜e4 2. ♖xc5 ♜xc5) 1. ... ♜d3 (1. ... ♜e4 2. ♜xe4 ♖xg1 3. ♜d6+) 2. cxd3
- 11) 1. ... ♖e5 (1. ... ♖d7 2. ♗a4; 1. ... ♖e6 2. ♗c2) 2. ♗c2 ♖d4+
- 12) 1. ♖f6 ♖xf6 2. ♖c8+ ♜g7 3. exf6+

52 Pawn endings / Key squares: B

- 1) 1. ... ♜c7! 2. ♜d5 ♜d7 ½-½
- 2) 1. ... ♜d8! 2. ♜c6 ♜c8 ½-½
- 3) 1. ♜c3! ♜b5 2. ♜d4
- 4) 1. e4 ♜f7 2. ♜d6
- 5) 1. ♜e4! ♜f6 2. ♜f4 ♜g6 3. ♜g4
- 6) 1. ♜e4! ♜d6 2. ♜d4
- 7) 1. ... ♜b7! 2. ♜a4 ♜a6 ½-½
- 8) 1. ... ♜c7! ½-½ (1. ... ♜c8? 2. ♜c6)
- 9) 1. ... ♜d8 2. ♜d5 ♜d7 ½-½
- 10) 1. ♜h4 ♜f6 2. ♜h5 ♜g7 3. ♜g5
- 11) 1. ♜c3 (1. ♜e3? ♜e7 ½-½) 1. ... ♜e6 2. ♜c4 ♜d6 3. ♜d4
- 12) 1. ... ♜f6 2. ♜e4 ♜e6 3. ♜d4 ♜d6 4. ♜c4 ♜c6 ½-½

53 Pawn endings / Key squares: C

- 1) 1. exd4 (1. ♜xd4? ♜d6 ½-½)
- 2) Drawing
- 3) 1. ... ♜b8 ½-½
- 4) 1. ... d3 2. cxd3 ♜b6 ½-½
- 5) 1. ... c5 ½-½
- 6) 1. ♜f4
- 7) 1. ... d4 2. exd4 ♜f8 ½-½
- 8) 1. ♜d6!
- 9) 1. g5 ♜e7 2. ♜e5
- 10) 1. ... f5 2. ♜e5 ♜f8; 1. ... ♜e8 2. f5 ♜d7! / 2. ♜e6 f5 ½-½

- 11) 1. ... h5 2. ♖g5 h4 3. ♖xh4 ♖h6 ½-½
 12) 1. ... ♖c6 ½-½

54 Test / Mix: G

- 1) 1. ... ♗b6 (defend against a pin)
 2) 1. ... ♖f3 2. ♖e1 ♖g2 (key squares)
 3) 1. ♙g5 (trapping)
 4) 1. ♚d4 (double attack: queen)
 5) 1. ... ♗g4 2. ♙xd8 ♗f2# (defend against a pin)
 6) 1. ♖h2 (1. ♙f4 d2; 1. ♙d2 stalemate)
 7) 1. ... ♗xh4 2. ♙xd7? ♙xg2# (defend against a pin)
 8) 1. b8♚+ ♖xb8 2. ♖b6; 2. b6? ♖c8 3. b7+ ♖b8 (key squares)
 9) 1. ... g5 and 2. ... ♖g6 (trapping)
 10) 1. ♚a1 (defend against a pin) 1. ... fxe4 2. ♚a7+
 11) 1. ♗e7+ ♖h8 2. ♗g6+
 12) 1. ♙d5

55 Test / Mix: H

- 1) 1. ♚h2+ ♙xh2 2. ♚h4# (elimination of the defence: luring away)
 2) 1. ... ♖d3 2. ♖b2 c4 3. ♖c1 ♖c3 (the square of the pawn, helping and key squares)
 3) 1. ♗g5+ (1. ♗f6+? ♗xf6) (discovered attack)
 4) 1. ... g4 (trapping)
 5) 1. ♚xg7+ ♖xg7 2. ♚g5# (luring and double check)
 6) 1. ♚xh6+ ♙xh6 2. ♚h7# (mate in two by access)
 7) 1. ♚xh7+ (mate in two by access)
 8) 1. ... ♚h1+ 2. ♖xh1 ♚xf1# (elimination of the defence: luring away)
 9) 1. ♚e4+ or 1. ♚c6+ or 1. ♚g2+ (perpetual check)
 10) 1. ♙f4 (x-ray attack)
 11) 1. ♗c8+ ♖a8 2. ♗b6+ (perpetual check)
 12) 1. ... ♖c4 (the square of the pawn, shielding off)

56 Test / Mix: I

- 1) 1. ♚xd6+ ♖e8 (1. ... ♖xd6 2. ♙f4#) 2. ♙g6# (mate in two by a double check)
 2) 1. ♙g4+ ♖e8 2. ♙xc8 (x-ray check)
 3) 1. ♖d2 (defend against a double attack)
 4) 1. ♙d5 (1. ♙d3 ♙c6) (attack on a pinned piece)
 5) Drawing
 6) 1. ♙d5+ ♚f7 2. ♚xe7 (discovered attack)
 7) 1. ... ♖g8 2. ♖xg5 (2. e6 ♖f8) 2. ... ♖f7 (2. ... ♖g7? 3. e6 ♖g8 4. ♖g6 ♖f8 5. ♖f6 ♖e8 6. e7) (the square of a pawn)
 8) 1. ♙e5 (1. g3? ♗xh3+ 2. ♖g2 ♗g5) 1. ... ♗g6 2. ♚xh6# (attack on a pinned piece)
 9) 1. ♚xg4+ ♖xg4 (1. ... fxg4 2. ♚h1#) 2. ♙e2# (mate in two by access)
 10) 1. ... ♚f8 (trapping)
 11) 1. ... ♙g3+ 2. ♖g1 ♚e8 (discovered check and mat)
 12) 1. ♗xe6 ♚xc3 (1. ... fxe6 2. ♚xc8+) 2. ♚a8+ (discovered attack)