

# 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
- 5) 1. ♖d5; 1-0
- 6) 1. ... ♖c2; 0-1
- 7) Drawing
- 8) Drawing
- 9) 1. ♖a6; 1-0
- 10) 1. e6; 1-0
- 11) 1. ♖c6 of 1. e6; 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. ... ♖f6 (1. ... b5+ 2. ♔♗3)
- 8) 1. ... ♗b2 (1. ... b5 2. ♗a5)
- 9) 1. ... ♔c4 (1. ... ♔g4 2. ♔xb5+)
- 10) 1. ♗d1 (1. e5 ♔e7)
- 11) 1. ♔h5+ (1. ♔d2? d4)
- 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. ♘f6+ (double attack)
- 2) 1. c8 ♗ (1. ♗xd6+? ♖d7) (cashing in a passed pawn)
- 3) 1. ... ♘g3# (mate in one)
- 4) 1. ... ♘xe2+ (capture an unprotected piece)
- 5) 1. ♗xd5 (capture an insufficient protected piece)
- 6) 1. ♗xe6+ (capture an unprotected piece)
- 7) Drawing
- 8) 1. ♗f8# (mate in one)
- 9) 1. ♗xe7 (capture an unprotected piece)
- 10) 1. ♗xe4 (capture an insufficient protected piece)
- 11) 1. ♗d8# (mate in one)
- 12) 1. ♗xe7 (capture an insufficient protected piece)

#### 42 Exploiting pinned pieces: C

- 1) 1. ♘c6+ (double attack)
- 2) 1. ... ♘e2+ (1. ... ♗xg2? 2. ♗xf4+; 1. ... ♘xg2 2. b5) (double attack)
- 3) 1. ♗xb4 (capture an insufficient protected piece)
- 4) 1. ... ♘g3 (double attack)
- 5) 1. ... ♘xb7 (1. ... g4? 2. b8 ♗)
- 6) 1. ♗xd7 (1. ♗xd7? ♗xc2#) (capture an insufficient protected piece)
- 7) 1. ... ♗xd3 (capture an insufficient protected piece)
- 8) 1. ... ♗f3 (double attack)
- 9) 1. ♗e6# (mate in one)
- 10) 1. ... ♗c3 (double attack)
- 11) 1. ♗xd5+ (double attack)
- 12) 1. ♘e6 (trapping)

#### 43 Exploiting pinned pieces: D

- 1) 1. ... ♖f2+ 2. ♕h1 ♘xf3+ (eliminating the defence: chasing away+material)
- 2) 1. ♗xf6+ ♕h8 2. ♖xg5 (eliminating the defence: capturing away+material)
- 3) 1. ... ♗xf3+ 2. gxf3 ♖xd5+ (eliminating the defence: capturing away+material)
- 4) 1. e5+ ♕xe5 2. ♗xe7 (2. ♖xe7+ ♖xe7 3. ♗xe7 g6) (eliminating the defence: luring away+material)
- 5) 1. ♗b3+ (eliminating the defence: chasing away+material)
- 6) 1. ♗g6+ ♗xg6 2. ♖xh7# (eliminating the defence: luring away+mate)
- 7) 1. ♗1xe6 ♗xe7 2. ♗xe7 (eliminating the defence: luring away+mate)
- 8) 1. ♖a8+ ♗b8 2. ♘xb7# (2. ♖xb7#) (eliminating the defence: luring away+mate)
- 9) 1. ♗xg6+ ♗xg6 2. ♖xc6 (eliminating the defence: luring away+material)
- 10) 1. ♗xh6+ (1. ♖xg7+? ♖xg7 2. ♗axg7+ ♕h8) 1. ... ♕xh6 2. ♖xg8 (eliminating the defence: luring away+material)
- 11) 1. ... ♘c3 2. ♗d6 (2. ♗xc3 ♗e1#) 2. ... ♗xe2 (eliminating the defence: chasing away+material)
- 12) 1. ♖xd8+ ♘xd8 2. ♗c8# (eliminating the defence: luring away+mate)

#### 44 Exploiting pinned pieces: E

- 1) 1. ♗xh6+ ♕h7 2. ♖xg5 (eliminating the defence: capturing away+material)
- 2) 1. ♗xf5 ♖xf5 (1. ... ♖e7 2. ♗f8+) 2. ♖g7# (eliminating the defence: luring away+mate)
- 3) 1. ♗d6 ♘g8 (1. ... Te7 2. Txe5) 2. ♗xe8 (eliminating the defence: luring away+mate)
- 4) 1. ♗xe7+ ♗xe7 2. ♖xd5+ (eliminating the defence: capturing away+material)
- 5) 1. ... ♗xf6 2. exf6 (2. ♖xf6 ♖xg2#) 2. ... ♖xg5 (eliminating the defence: luring away+mate)
- 6) 1. ... ♘xa3 2. ♕e2 ♘xb2 (eliminating the defence: luring away+material)
- 7) 1. ... ♘b3 2. ♖xb6 axb6 (eliminating the defence: capturing away+material)
- 8) 1. ♗xe4 ♖xe4 2. ♖xd6# (eliminating the defence: slaan+mat)
- 9) 1. ♗xd5 ♗xc2 (1. ... ♗xd5 2. ♖xc6) 2. ♖xc2 (eliminating the defence: luring away+material)
- 10) 1. ♗b8+ ♖xb8 2. ♖xd7# (eliminating the defence: luring away+mate)
- 11) 1. ♘xg6+ Kxg6 2. Dxe6+ (eliminating the defence: luring away+material)
- 12) 1. ... ♗f2+ 2. ♕d1 (2. ♕e1 ♗a2) 2. ... ♗xe3 (2. ... ♘xe3? 3. ♗e1) (eliminating the defence: chasing away+material)

#### 45 The pin / Unpinning: A

- 1) 1. ... ♖xb5 2. ♗d6+ ♘xd6 ♗xb5 (luring away the pinning piece)
- 2) 1. ... ♘xe4 2. ♖xf6+ ♕xf6 3. ♘xe4 (capturing the pinning piece)
- 3) 1. ♖xf5 ♖xg1+ 2. ♕xg1 gxf5 (capturing the pinning piece)
- 4) 1. ♗xc5 ♗f6+ 2. ♕f5 dxc5 (protecting the back piece with check)
- 5) 1. ♖xe5 ♖xd1+ 2. ♕xd1 ♘xe5 (capturing the pinning piece)
- 6) 1. ♗xf6 ♗e7+ 2. ♕d2 gxf6 (protecting the back piece with check)
- 7) 1. ... ♖xe5 2. ♖c4+ ♕h8 3. ♗xe5 (moving away the back piece with check)
- 8) 1. ... ♗xb5 2. ♘d2 ♖b6 3. axb5 (protecting the back piece with attack)
- 9) 1. a7 ♗e1+ 2. ♕h2 ♗xa7 (moving away the back piece with check)
- 10) 1. ... ♖xd3 2. ♖e1+ ♕f7 3. ♗xd3 (moving away the back piece with check)
- 11) 1. ♖xd5 ♗f1+ 2. ♗xf1 exd5 (luring away the pinning piece)
- 12) 1. ♗xe4 ♗e5 2. ♖d4 dxe4 (protecting the back piece with attack)

#### 46 The pin / Unpinning: B

- 1) 1. ♗xf6 ♘g6 (chasing away the pinning piece)
- 2) 1. ... ♗xg3 2. ♘e3 ♖e7 3. fvg3 (chasing away the pinning piece)
- 3) 1. ♗xb4 ♘e6+ (1. ... cxb4 2. ♗xc8) 2. g4 cxb4 (protecting the back piece)
- 4) 1. ... ♗c5 2. ♖b4 (moving away the back piece with check)
- 5) 1. ... ♗e4 2. 0-0-0+ ♕e7 3. ♗xe4 (moving away the back piece with check)
- 6) 1. ... ♘a5 2. b4 cxb4 3. ♗xd5 (eliminating the pinning piece by interposing)
- 7) 1. ♘xc6 ♖c5 (counter-pin)
- 8) 1. ♖xg4 (1. ♖xf5 ♖xf5 (1. ... ♘c5+? 2. ♖xc5) ) 1. ... ♘c5+ 2. ♕h1 fvg4 (moving away the back

piece with check)

- 9) 1. ♖xc3 ♕h3+ 2. ♔g1 ♜xc3 (creating a flight square for the king)
- 10) 1. ♖xd4 ♖c2+ 2. ♔f1 ♜xd4 (protecting the back piece with check)
- 11) 1. ... ♗xe4 2. ♗g5 g6 3. dxe4 (moving away the back piece with a threat)
- 12) 1. ... ♕xd4 2. ♗d2 (2. ♗d3 ♕xb2 3. ♗xd7 ♗xd7 4. ♖xd7 ♕xa1) (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. ♜xd2 h4
- 5) [♗g8+] 1. ... ♖d7 (1. ... fxg5 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) [hxg5] 1. ♗d2 (1. ♕h4 g5 2. ♜xg5 hxg5 3. ♕xg5; 1. g4 hxg5) 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)