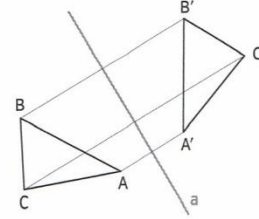
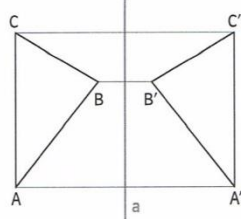
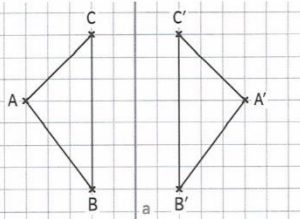
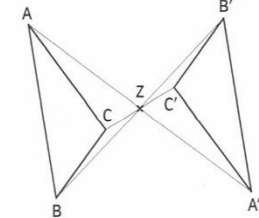
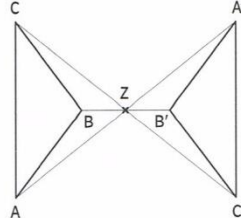
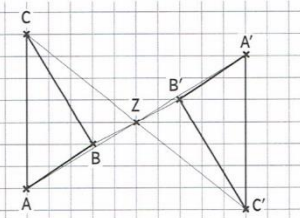


2

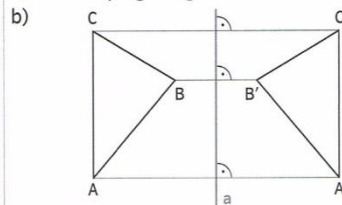


3

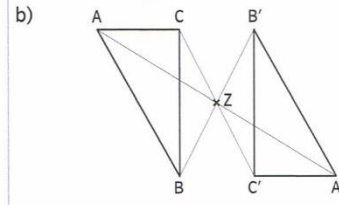


4 Verschiebung

a) Achsenspiegelung



a) Halbdrehung



10 Gleichungen

Terme berechnen, Seite 68

1 a) (1) $= 9 \cdot 17 - 54$
 (2) $= 153 - 54$
 (3) $= 99$

b) $= 187 - 150 : 30 = 187 - 5 = 182$
 c) $= 10 \cdot 6 - 70 : 7 - 3 \cdot 5 = 60 - 10 - 15 = 35$
 d) $= 200 : 50 + 9 \cdot 52 = 4 + 468 = 472$
 e) $= 8 : 2 + 20 - 9 \cdot 2 = 4 + 20 - 18 = 6$

2 a) $= (14 + 20) \cdot 6 - 40 : 8 + 29$
 $= 34 \cdot 6 - 40 : 8 + 29 = 204 - 5 + 29 = 228$
 b) $= 90 \cdot 7 - (120 - 25) \cdot 3 + 78$
 $= 90 \cdot 7 - 95 \cdot 3 + 78 = 630 - 285 + 78 = 423$
 c) $= (200 - 20) : (30 - 10) = 180 : 20 = 9$
 d) $= (80 - 50) - (16 + 40) = 30 - 56 = -26$

3 a) $= (10 - 2,5) \cdot 4 = 7,5 \cdot 4 = 30$
 b) $= 0,25 \cdot (30 - 15) = 0,25 \cdot 15 = 3,75$

1.1 a) 55 b) 18 c) 25
 d) 76 e) 112 f) 46
 g) 65 h) 70 i) 60

1.2 a) 166 b) 71 c) -95
 d) 106 e) 132 f) 199
 g) 128 h) 101 i) 674

2.1 a) 145 b) 55 c) 150
 d) 150 e) 3888 f) 450
 g) -38 h) -34

3.1 a) 2 b) 13,5 c) -24,9
 d) 15,6 e) -3,1 f) -37,5
 g) 29,5 h) 13,2

Terme mit Variablen aufstellen und berechnen, Seite 69

1 (1) a und b
 (2) $a + b + a + b + a + 2b + a + 4b$
 (3) $3 + 2 + 3 + 2 + 3 + 2 \cdot 2 + 3 + 4 \cdot 2 = 28$

2 a) $7 \cdot k$ b) $7 \cdot 2,99 = 20,93$

3

	Term	Einsetzung	Berechnung
a)	$2 \cdot x + 7$	$x = 5$	$2 \cdot 5 + 7 = 17$
b)	$7 \cdot x - 2$	$x = 2,3$	$7 \cdot 2,3 - 2 = 14,1$
c)	$2x + 3x$	$x = \frac{1}{5}$	$2 \cdot \frac{1}{5} + 3 \cdot \frac{1}{5} = \frac{5}{5} = 1$
d)	$19 - 8 \cdot x$	$x = 0,03$	$19 - 8 \cdot 0,03 = 18,76$

4 a) $4 \cdot z + 2 \cdot b + 1 \cdot m$
 b) $4 \cdot 1,60 \text{€} + 2 \cdot 1,95 \text{€} + 1 \cdot 2,55 \text{€} = 6,40 \text{€} + 3,90 \text{€} + 2,55 \text{€} = 12,85 \text{€}$

1.1 a) $u = a + b + a + b + c + c + c + c$; $u = 48 \text{cm}$
 b) $u = 4a + 4b + 2c - 2c = 4a + 4b$; $u = 36 \text{cm}$

1.2 a) $A = a \cdot b - c \cdot c$; $A = 71 \text{cm}^2$
 b) $A = 2 \cdot a \cdot b + c \cdot c$; $A = 53 \text{cm}^2$

4.1 $7 \cdot z + 9 \cdot b + 6 \cdot m$
 $= 7 \cdot 1,60 \text{€} + 9 \cdot 1,95 \text{€} + 6 \cdot 2,55 \text{€}$
 $= 11,20 \text{€} + 17,55 \text{€} + 15,30 \text{€} = 44,05 \text{€}$