

Exercise 26d page 429

1. (a) $-1, 4$ (f) $-\frac{3}{4}, 2$
 (b) $-5, -2$ (g) $-\frac{2}{3}, 3$
 (c) $-3, 5$ (h) $-1, 5$
 (d) $-1, 4$ (i) $-2, 1\frac{1}{2}$
 (e) $-1, 8$
2. (a) $10.82, 0.18$ (d) $-0.70, -4.30$ (g) $8.65, 0.35$
 (b) $4.19, -1.19$ (e) $2.80, -4.55$ (h) $-2.69, 0.19$
 (c) $6.70, 0.30$ (f) $0.59, -0.84$ (i) $-1.77, 0.23$
3. 5 cm 9. 450 g
 4. $5 \text{ cm and } 8 \text{ cm}$ 10. $-0.54, 0.70, 4.30, 5.54$
 5. 8.46 cm 11. 42
 6. 13.8 cm 12. 60 km/h
 7. 6 years 13. $2 \text{ cm or } 3\frac{1}{7} \text{ cm}$
 8. $8.89 \text{ or } 0.113$

Exercise 26e page 432

1. (a) $x = 1, y = 2; x = 2, y = 1$
 (b) $x = 5, y = 1; x = 1, y = 5$
 (c) $x = 3, y = -1; x = -1, y = 3$
2. (a) y (b) x
3. (a) $x = -1, y = -12; x = 6, y = 2$
 (b) $x = 2, y = 4; x = 12, y = \frac{2}{3}$
 (c) $x = 0, y = 0; y = 4, y = 4$
4. (a) $x = 2.41, y = 0.59; x = -5.41, y = 8.41$
 (b) $x = 0.89, y = 2.11; x = 10.11, y = -7.11$
5. (a) $x = 1, y = -2; x = -\frac{1}{3}, y = -\frac{26}{9}$
 (b) $x = \frac{5}{4}, y = \frac{15}{4}; x = 3, y = 2$
 (c) $x = 1, y = 2; x = 3, y = -2$
6. 13
 7. $12 \text{ m}, 9 \text{ m}$

Self-Assessment 26 page 433

1. (a) $1, 4$ (b) $5, -2$ (c) $-1, -2$
 2. (a) $1.08, -5.58$ (b) $6.12, -2.12$
 3. (a) 9 (b) $\frac{25}{16}$ (c) $\frac{81}{4}$ (d) $\frac{1}{16}$
 4. $a = 4, b = 6; 6.45, 1.55$
 5. $x = \frac{5}{2}, y = 2; x = -1, y = -5$
 6. 3.766 7. $5 \text{ cm}, 12 \text{ cm}, 13 \text{ cm}$
 8. $0.70, 0.18$ 9. $21.8 \text{ cm}, 18.8 \text{ cm}, 28.8 \text{ cm}$
 10. (a) $1.57, -9.57$ (b) $a = 4, b = -31$
 (c)

