

Year 6

Page 77

1. $(-3, 0)$ $(0, 4)$ $(-3, 6)$ $(-6, 4)$
 $(2, 3)$ $(6, 4)$ $(6, 6)$ $(2, 5)$
 $(-2, -4)$ $(-4, -4)$ $(-6, -8)$
 $(0, -8)$
 $(2, 0)$ $(2, -8)$ $(8, -8)$ $(8, 0)$
2. $(-5, 0)$ $(-2, 4)$ $(-5, 6)$ $(-8, 4)$
 $(0, 3)$ $(4, 4)$ $(4, 6)$ $(0, 5)$
 $(-4, -4)$ $(-6, -4)$ $(-8, -8)$
 $(-2, -8)$
 $(0, 0)$, $(0, -8)$ $(6, -8)$ $(6, 0)$
3. $(-5, 2)$ $(-2, 6)$ $(-5, 8)$ $(-8, 6)$
 $(0, 5)$ $(4, 6)$ $(4, 8)$ $(0, 7)$
 $(-4, -2)$ $(-6, -2)$ $(-8, -6)$
 $(-2, -6)$
 $(0, 2)$ $(0, -6)$ $(6, -6)$ $(6, 2)$
4. True
5. False
6. False, unless the rectangle is shown in a horizontal or vertical orientation.
7. False. It is the y-coordinate that changes.

Page 78

1. Shapes correctly drawn on coordinate grid.
2. $(2, 1)$ $(4, 3)$ $(2, 5)$ $(0, 3)$
 $(-1, 2)$ $(-2, 4)$ $(-4, 4)$ $(-4, 2)$
 $(-1, -1)$ $(-4, -1)$ $(-1, -6)$
 $(1, -1)$, $(0, -4)$ $(5, -4)$ $(6, -1)$

3. Answers will vary.

4. $(7, 8)$

5. 1 or 6

6. $a = 1$, $b = -9$

7. $m = 7$

Think. $(0, -1)$ $(0, -6)$ $(3, -6)$

Year 5

Page 30

1. $(1, 1)$, $(5, 1)$, $(5, 3)$, $(1, 3)$ becomes
 $(1, 4)$, $(5, 4)$, $(5, 6)$, $(1, 6)$
2. $(1, 1)$, $(3, 1)$, $(3, 3)$ becomes $(3, 1)$,
 $(5, 1)$, $(5, 3)$
3. $(1, 4)$, $(3, 4)$, $(1, 7)$ becomes $(1,$
 $0)$, $(3, 0)$, $(1, 3)$
4. $(4, 1)$, $(5, 1)$, $(5, 3)$, $(6, 3)$, $(6, 4)$,
 $(3, 4)$ $(3, 3)$ $(4, 3)$ becomes $(1, 1)$,
 $(2, 1)$, $(2, 3)$, $(3, 3)$, $(3, 4)$, $(0, 4)$,
 $(0, 3)$, $(1, 3)$
5. $(1, 1)$, $(4, 1)$, $(4, 2)$, $(2, 2)$, $(2, 4)$,
 $(1, 4)$ becomes $(4, 1)$, $(7, 1)$,
 $(7, 2)$, $(5, 2)$, $(5, 4)$, $(4, 4)$
6. $(6, 4)$, $(7, 4)$, $(7, 7)$, $(5, 7)$, $(5, 6)$,
 $(6, 6)$ becomes $(1, 4)$, $(2, 4)$,
 $(2, 7)$, $(0, 7)$, $(0, 6)$, $(1, 6)$
7. $(1, 1)$, $(3, 1)$, $(4, 3)$, $(2, 3)$
becomes $(1, 5)$, $(3, 5)$, $(4, 7)$,
 $(2, 7)$
8. $(0, 1)$, $(1, 1)$, $(3, 4)$, $(0, 4)$
becomes $(3, 1)$, $(4, 1)$, $(6, 4)$,
 $(3, 4)$

Think. It moves diagonally, 1 square to the right and 2 squares up.

Page 31

1. Coordinate grid from 0 to 12 drawn.
2. trapezium
3. $(1, 4)$, $(2, 7)$, $(4, 7)$, $(5, 4)$
4. The shape moves three squares up.
5. $(3, 4)$, $(4, 7)$, $(6, 7)$, $(7, 4)$
6. The shape moves two squares to the right.

Think. To move a shape up, add to the y-coordinate. To move a shape to the right, add to the x-coordinate.