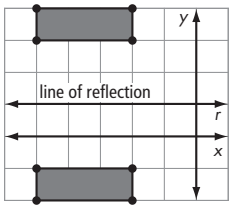
Get Ready Answers

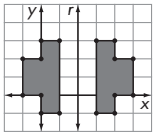
Chapter 1 Get Ready, pages 2–3

1. a) 4, vertically up **b)** 3 units horizontally left, 4 units vertically down

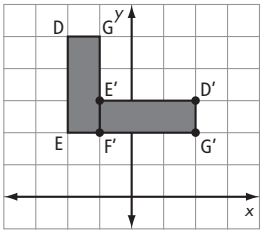
2. a)



b)



3. a)



b) D′ = (2, 3) E′ = (–1, 3)
F′ = (–1, 2) G′ = (2, 2)

4. 286 cm^2

Chapter 2 Get Ready, pages 52–53

1. a) 50.816 **b)** 272.43

2. a) $\frac{3}{12}, \frac{3}{4}$ **b)** $\frac{3}{4} > \frac{3}{12}$

3. a) $\frac{5}{10}$ or $\frac{1}{2}$ **b)** $\frac{7}{8}$

4. a) $\frac{2}{9}$ **b)** 2

Math Link

1. 9, $\frac{1}{9}$

2. $\frac{4}{9}$

3. $\frac{8}{9}$

4. $\frac{3}{9}$ or $\frac{1}{3}$

5. Answers may vary. Example: Use X, Y, and O for symbols. The fraction of total squares needed to win does not change.

Chapter 3 Get Ready, pages 116–117

1. a) 25 cm^2 **b)** 81 m^2

2. a) 8 mm **b)** 6 cm

3. 22 m

4. a) 120 cm^3 **b)** 18 cm^3

Chapter 4Get Ready, pages 174–175

1.

	Ratio Notation	Equivalent Fraction in Lowest Terms	Decimal	Percent
a) ○○○○ ●●	2 : 6	$\frac{2}{6} \overset{\div 2}{=} \frac{1}{3}$	$0.\overline{3}$	$33.\overline{3}\,\%$
b) ○○○○○○ ●●●●	4 : 10	$\frac{4}{10} \overset{\div 2}{=} \frac{2}{5}$	0.4	40 %

2. a) 10 **b)** 1

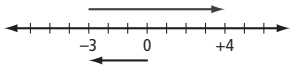
3. a) $\frac{28}{2800}$ **b)** $\frac{1}{30} = \frac{6}{180}$

4. $\frac{4}{12} = \frac{0.4}{1.2}$; 1.2 m

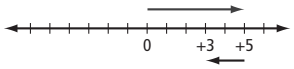
Chapter 5 Get Ready, pages 238–239

1. a) +5

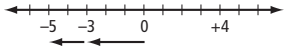
b) +4



c) +3



d) –5



2. a) (–2) + (+5) = +3 **b)** (–1) + (–2) = –3

3. a) +5 **b)** –4

4. a) +3 **b)** +4

5.

Expression	Numerical Coefficient	Variable	Constant
a) $2x - 7$	*2*	*x*	*–7*
b) $-3b + 5$	*–3*	*b*	*5*
c) $t - 4$	*1*	*t*	*–4*

6. a) $s - 5$ **b)** width = w; $2w$

Chapter 6 Get Ready, pages 290–291

1.

Time (s)	*5*	*6*	*7*
Speed (km/h)	*60*	*50*	*40*

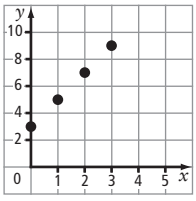
Time (s)	*Speed (km/h)*
5	*60*
6	*50*
7	*40*

2. YES. Answers will vary. Example: It is possible to read a temperature between whole minutes.

3. NO. Answers will vary. Example: The values in the first column increase by a constant amount of 5. The values in the second column do not increase by a constant amount.

4.

x	*y*
0	*3*
1	*5*
2	*7*
3	*9*



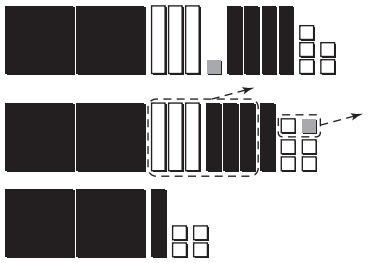
Chapter 7 Get Ready, pages 362–363

1.

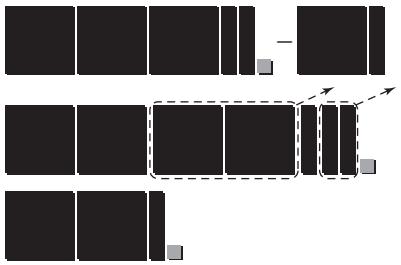
	Type of Polynomial (Monomial, Binomial, or Trinomial)	Degree of Polynomial
a) $x^2 - 2x + 5$	*trinomial*	*2*
b) $11c + 14$	*binomial*	*1*
c) $24d^2$	*monomial*	*2*

2. a) $3x^2 - x$ **b)** $2g^2 - 4n$

3. a) $2x^2 + x - 4$



b) $2x^2 + x + 1$

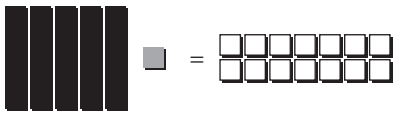


4. a) $3x^2 + 8x - 10$ **b)** $3y^2 + 10y + 7$

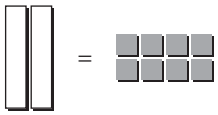
Chapter 8 Get Ready, pages 420–421

1. a) $2x - 6 = 6$ **b)** $6 = 3x - 9$

2. a)



b)



3. $x = -4$ **b)** $x = -5$

4. a) $x = 0.8$ **b)** $x = -4$

Chapter 9 Get Ready, pages 500–501

1. a) $5 > 2$ **b)** $7 < 20$ **c)** 5×3 **d)** $9 = \frac{18}{2}$

2. a) 4 is less than 8 **b)** 8 is greater than 2 **c)** 14 divided by 2 **d)** 4 is not equal to $\frac{8}{3}$

3. a) 4, 5 **b)** –1, 0, 1 **c)** 5, 6, 7 **d)** 0, 1, 2, 3

4. a) $1 < 7$ or $7 > 1$ **b)** $4 > -1$ or $-1 < 4$

5. a) 3, 2, 1, 0 **b)** 12, 13, 14, 15

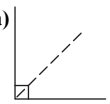
6. $x = -4$

Chapter 10 Get Ready, pages 560–561

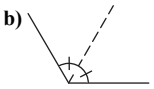
1. a) 15.7 cm **b)** 11.618 cm

2. Estimates may vary. **a)** 25° **b)** 100°

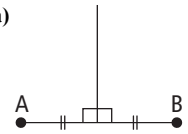
3. a)



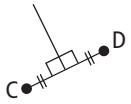
b)



4. a)



b)



Chapter 11 Get Ready, pages 614–615

1. a) mean = 7; median = 6; modes = 8 and 15 **b)** mean = 4.5; median = 4.4; no mode

2. a) 6 **b)** 24

3. a) A **b)** 17 L