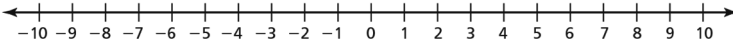
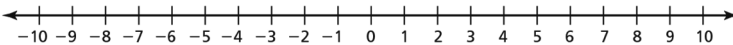


# Lesson 9.1

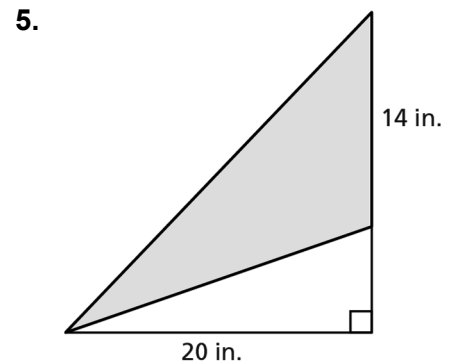
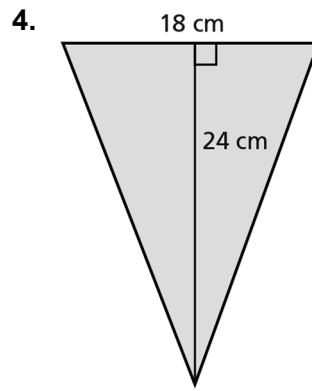
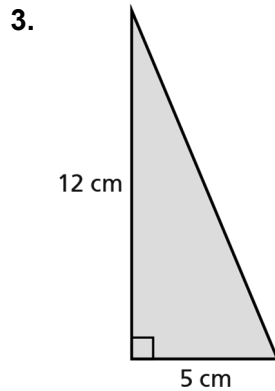
## Review & Refresh

Graph the inequality on a number line.

1.  $c > 2$  

2.  $d \leq -6$  

Find the area of the triangle.



Write the word sentence as an equation. Then solve the equation.

6. The sum of  $x$  and 25 is 40.

7. 58 equals the difference of  $y$  and 34.

Write the word sentence as an inequality.

8. 10 is greater than the sum of a number  $x$  and 3.

9. 4 is less than or equal to a number  $z$  divided by 5.

10. A park is in the shape of a right triangle. The legs of the right triangle are 8 miles and 15 miles. Find the area of the park.

11. A triangular piece of wood has an area of 98 square inches. The height is 7 inches. Find the base.

# Lesson 9.1

## Review & Refresh (continued)

Solve the equation.

12.  $\frac{c}{-4} = 12$

13.  $19 + d = 14$

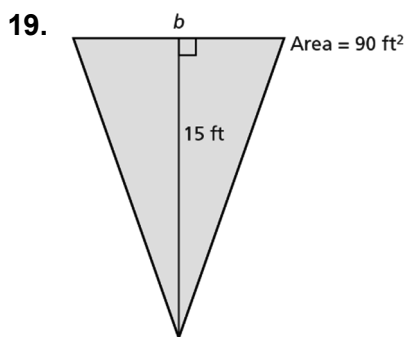
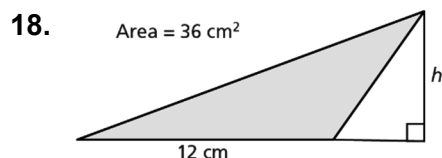
14.  $7f = -49$

15.  $-64 = -4g$

16.  $24 = h - 16$

17.  $-18 = \frac{j}{-3}$

Find the missing dimension of the triangle.



# Lesson 9.1

## Self-Assessment

Use the scale to rate your understanding of the learning target and the success criteria.

1	I don't understand yet.	2	I can do it with help.	3	I can do it on my own.	4	I can teach someone else.
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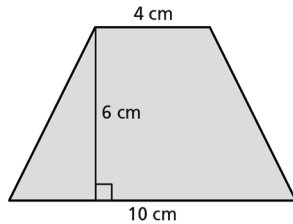
	Rating	Date
<b>9.1 Areas of Triangles</b>		
<b>Learning Target:</b> Find areas and missing dimensions of triangles.	1   2   3   4	
I can explain how to derive a formula for the area of a triangle.	1   2   3   4	
I can use a formula to find the area of a triangle.	1   2   3   4	
I can solve for a missing dimension of a triangle.	1   2   3   4	

# Lesson 9.2

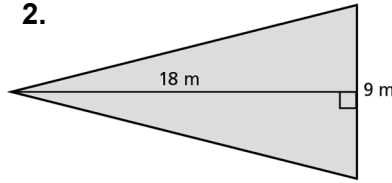
## Review & Refresh

Find the area of the figure.

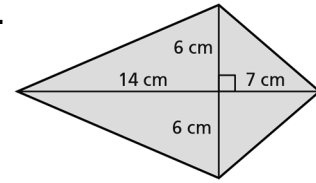
1.



2.



3.



4. The leading scorer in a basketball game has 13 points. This is one-fifth of the team's total. Write and solve an equation to find the number of points the team scored.

5. A playground is shown. What is the area in square yards?



Tell whether the given value is a solution to the inequality.

6.  $4x > -12$ ;  $x = -3$       7.  $6 \geq y - 8$ ;  $y = 2$       8.  $z + 10 > 35$ ;  $z = 30$

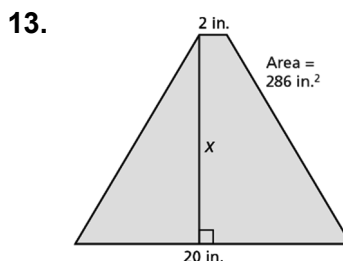
Solve the equation.

9.  $6a = -48$       10.  $6 = \frac{b}{-5}$       11.  $\frac{c}{-4} = -11$

# Lesson 9.2

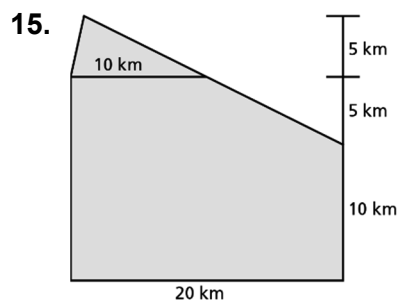
## Review & Refresh (continued)

Find the value of  $x$ .



14. A kite pattern is in the shape of a triangle. The base is 30 feet and the height is 16 feet. Find the area of the triangle.

Find the area of the figure.



# Lesson 9.2

## Self-Assessment

Use the scale to rate your understanding of the learning target and the success criteria.

- 1 I don't understand yet. 2 I can do it with help. 3 I can do it on my own. 4 I can teach someone else.

	Rating	Date
<b>9.2 Areas of Quadrilaterals and Composite Figures</b>		
<b>Learning Target:</b> Find areas and missing dimensions of quadrilaterals and composite figures.	1 2 3 4	
I can decompose a figure.	1 2 3 4	
I can find the area of a quadrilateral.	1 2 3 4	
I can solve for a missing dimension of a figure.	1 2 3 4	
I can find the area of a composite figure.	1 2 3 4	