

**Block 2 ~ The Pythagorean Theorem
Self-Assessment**

Name _____ Per _____

Track your understanding.

Lesson #	Target	Progress (shade this in)		
2.1	I can recognize and find the values of perfect squares.	Starting...	Getting there...	Got it!!
2.2	I can estimate the value of square roots.	Starting...	Getting there...	Got it!!
2.3	I can use the Pythagorean Theorem to find the missing side lengths in right triangles.	Starting...	Getting there...	Got it!!
2.4	I can determine if three sides create a right triangle.	Starting...	Getting there...	Got it!!
2.5	I can apply the Pythagorean Theorem to solve problems in two and three dimensions.	Starting...	Getting there...	Got it!!
2.6	I can find the distance between two points on a coordinate plane using the Pythagorean Theorem.	Starting...	Getting there...	Got it!!
2.7	I can find the distance between two points on a coordinate plane using the Distance Formula.	Starting...	Getting there...	Got it!!

NAME: _____ PER: ____ LESSON 2.1

Find each value.

1. $\sqrt{64}$

2. $\sqrt{16}$

3. $\sqrt{49}$

4. Solve for x . $4x^2 - 7 = 29$

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.1

Find each value.

1. $\sqrt{64}$

2. $\sqrt{16}$

3. $\sqrt{49}$

4. Solve for x . $4x^2 - 7 = 29$

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.1

Find each value.

1. $\sqrt{64}$

2. $\sqrt{16}$

3. $\sqrt{49}$

4. Solve for x . $4x^2 - 7 = 29$

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.1

Find each value.

1. $\sqrt{64}$

2. $\sqrt{16}$

3. $\sqrt{49}$

4. Solve for x . $4x^2 - 7 = 29$

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.2

Determine the two positive integers that each square root falls between.

1. $\sqrt{11}$

2. $\sqrt{34}$

3. Solve for x . Round your answer to nearest tenth.

$$x^2 - 18 = 24$$

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.2

Determine the two positive integers that each square root falls between.

1. $\sqrt{11}$

2. $\sqrt{34}$

3. Solve for x . Round your answer to nearest tenth.

$$x^2 - 18 = 24$$

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.2

Determine the two positive integers that each square root falls between.

1. $\sqrt{11}$

2. $\sqrt{34}$

3. Solve for x . Round your answer to nearest tenth.

$$x^2 - 18 = 24$$

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.2

Determine the two positive integers that each square root falls between.

1. $\sqrt{11}$

2. $\sqrt{34}$

3. Solve for x . Round your answer to nearest tenth.

$$x^2 - 18 = 24$$

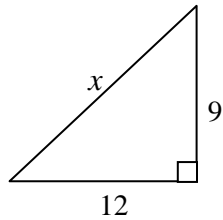
©2013 SM^C Curriculum

Core Focus on Geometry

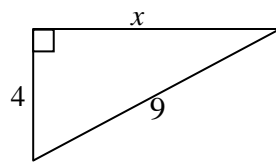
NAME: _____ PER: ____ LESSON 2.3

Solve for x . Round to the nearest tenth, if necessary.

1.



2.



3. Kyle has a rectangular living room. It is 8 ft wide and 12 ft long. What is the length of the diagonal of the living room?

a) Draw a diagram to represent this situation.

b) Find the length of the diagonal.

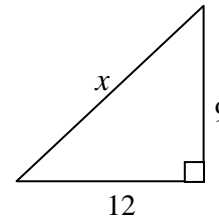
©2013 SM^C Curriculum

Core Focus on Geometry

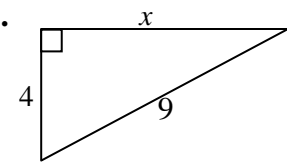
NAME: _____ PER: ____ LESSON 2.3

Solve for x . Round to the nearest tenth, if necessary.

1.



2.



3. Kyle has a rectangular living room. It is 8 ft wide and 12 ft long. What is the length of the diagonal of the living room?

a) Draw a diagram to represent this situation.

b) Find the length of the diagonal.

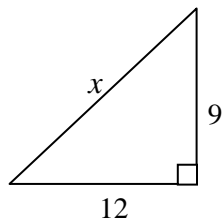
©2013 SM^C Curriculum

Core Focus on Geometry

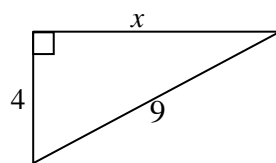
NAME: _____ PER: ____ LESSON 2.3

Solve for x . Round to the nearest tenth, if necessary.

1.



2.



3. Kyle has a rectangular living room. It is 8 ft wide and 12 ft long. What is the length of the diagonal of the living room?

a) Draw a diagram to represent this situation.

b) Find the length of the diagonal.

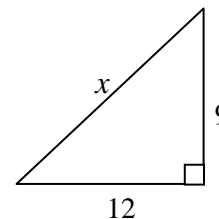
©2013 SM^C Curriculum

Core Focus on Geometry

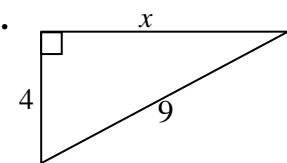
NAME: _____ PER: ____ LESSON 2.3

Solve for x . Round to the nearest tenth, if necessary.

1.



2.



3. Kyle has a rectangular living room. It is 8 ft wide and 12 ft long. What is the length of the diagonal of the living room?

a) Draw a diagram to represent this situation.

b) Find the length of the diagonal.

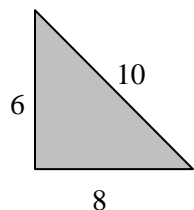
©2013 SM^C Curriculum

Core Focus on Geometry

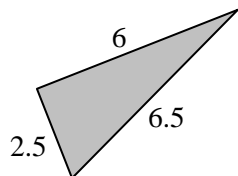
NAME: _____ PER: ____ LESSON 2.4

Determine if each triangle is a right triangle. If it is, state if its side lengths form a Pythagorean Triple.

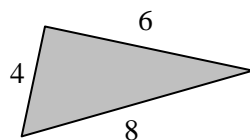
1.



2.



3.



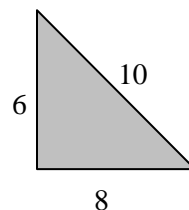
©2013 SM^C Curriculum

Core Focus on Geometry

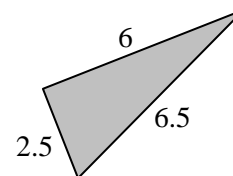
NAME: _____ PER: ____ LESSON 2.4

Determine if each triangle is a right triangle. If it is, state if its side lengths form a Pythagorean Triple.

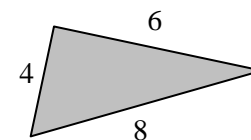
1.



2.



3.



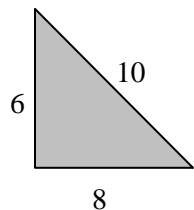
©2013 SM^C Curriculum

Core Focus on Geometry

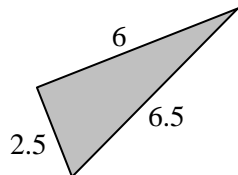
NAME: _____ PER: ____ LESSON 2.4

Determine if each triangle is a right triangle. If it is, state if its side lengths form a Pythagorean Triple.

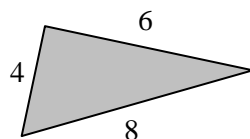
1.



2.



3.



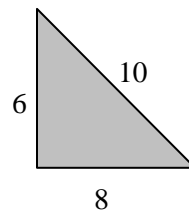
©2013 SM^C Curriculum

Core Focus on Geometry

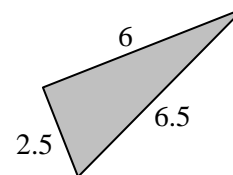
NAME: _____ PER: ____ LESSON 2.4

Determine if each triangle is a right triangle. If it is, state if its side lengths form a Pythagorean Triple.

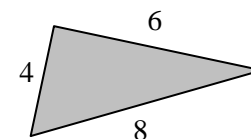
1.



2.



3.



©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.5

1. A 10-foot ladder leans 9 feet up a wall. How far from the wall is the base of ladder?

2. A shipping company sells a rectangular box with dimensions of 12 inches by 12 inches by 18 inches. Find the length of the longest diagonal in the box.

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.5

1. A 10-foot ladder leans 9 feet up a wall. How far from the wall is the base of ladder?

2. A shipping company sells a rectangular box with dimensions of 12 inches by 12 inches by 18 inches. Find the length of the longest diagonal in the box.

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.5

1. A 10-foot ladder leans 9 feet up a wall. How far from the wall is the base of ladder?

2. A shipping company sells a rectangular box with dimensions of 12 inches by 12 inches by 18 inches. Find the length of the longest diagonal in the box.

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.5

1. A 10-foot ladder leans 9 feet up a wall. How far from the wall is the base of ladder?

2. A shipping company sells a rectangular box with dimensions of 12 inches by 12 inches by 18 inches. Find the length of the longest diagonal in the box.

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.6

Find the distance between each set of points. Round to the nearest tenth, if necessary.

1. (1, 4) and (9, 10)

2. (-3, 2) and (1, -6)

©2013 *SM^C Curriculum*

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.6

Find the distance between each set of points. Round to the nearest tenth, if necessary.

1. (1, 4) and (9, 10)

2. (-3, 2) and (1, -6)

©2013 *SM^C Curriculum*

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.6

Find the distance between each set of points. Round to the nearest tenth, if necessary.

1. (1, 4) and (9, 10)

2. (-3, 2) and (1, -6)

©2013 *SM^C Curriculum*

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.6

Find the distance between each set of points. Round to the nearest tenth, if necessary.

1. (1, 4) and (9, 10)

2. (-3, 2) and (1, -6)

©2013 *SM^C Curriculum*

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.7

Use the distance formula to find the distance between each pair of points. If necessary, round to the nearest tenth.

1. (2, 7) and (4, 10)

2. (-8, 3) and (7, 11)

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.7

Use the distance formula to find the distance between each pair of points. If necessary, round to the nearest tenth.

1. (2, 7) and (4, 10)

2. (-8, 3) and (7, 11)

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.7

Use the distance formula to find the distance between each pair of points. If necessary, round to the nearest tenth.

1. (2, 7) and (4, 10)

2. (-8, 3) and (7, 11)

©2013 SM^C Curriculum

Core Focus on Geometry

NAME: _____ PER: ____ LESSON 2.7

Use the distance formula to find the distance between each pair of points. If necessary, round to the nearest tenth.

1. (2, 7) and (4, 10)

2. (-8, 3) and (7, 11)

©2013 SM^C Curriculum

Core Focus on Geometry