Pythagorean Theorem

Modeling Pythagorean Theorem Equations

Which of the following shaded triangles are right triangles? Circle the pictures that show right triangles and place a big X on those that do not. Label the sides as *a*, *b*, or *c* and each square as *a*2, *b*2, or *c*2. For each picture, write a Pythagorean Theorem equation that shows whether or not the triangles are right triangles.

1. 2. 3.



Equation\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Equation \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Equation \_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluate: \_\_\_\_\_\_\_\_\_\_\_\_\_ Evaluate: \_\_\_\_\_\_\_\_\_\_\_\_\_ Evaluate: \_\_\_\_\_\_\_\_\_\_\_\_\_

4. 5. 6.



Equation\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Equation \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Equation \_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluate: \_\_\_\_\_\_\_\_\_\_\_\_\_ Evaluate: \_\_\_\_\_\_\_\_\_\_\_\_\_ Evaluate: \_\_\_\_\_\_\_\_\_\_\_\_\_