Finding an Unknown Side - Set 1
Instructions: For each right triangle, use the Pythagorean Theorem to find the length of the unknown side ' $x$ '. (You can use a calcuator for the arithmetic if you want to.)

1



3


5


2


4


Worksheets

## Date:

Finding an Unknown Side - Set 2
Instructions: For each right triangle, use the Pythagorean Theorem to find the length of the unknown side ' $x$ '. (You can use a calcuator for the arithmetic if you want to.)

1


2


3

4


5


6


## Is it a right triangle?

Instructions: Use the Pythagorean Theorem to test the triangles shown or described in each problem below.

1 If a triangle has sides that are 12,10 and 6 meters long, is it a right triangle?

NOTE: when plugging the three sides into the test equation, always make the longest side ' $c$ '.
Test: $\quad 6^{2}+10^{2} \stackrel{?}{=} 12^{2}$

$$
\begin{aligned}
36+100 & \stackrel{?}{=} 144 \\
136 & \neq 144 \text { Nope! }
\end{aligned}
$$

3 Is a triangle with side lengths of 4,5, and 6 inches a right triangle?

2
Is this a right triangle?


4 A triangle has side lengths that are $7 \mathrm{~cm}, 7 \mathrm{~cm}$ and 11 cm . Is it a right triangle?

Is this a right triangle?


