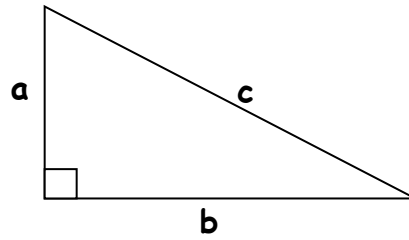


NAME _____ DATE _____ PER. _____

PYTHAGOREAN THEOREM

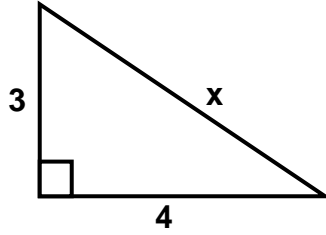


Use the Pythagorean Theorem to find the missing length. Give answers in simplest radical form.

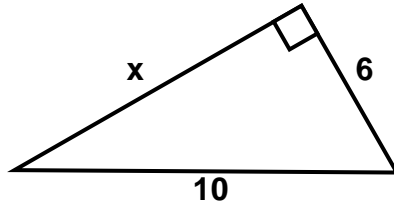
1. $c =$ _____	$a = 8$ and $b = 6$.
2. $b =$ _____	$a = 24$ and $c = 26$.
3. $b =$ _____	$a = 5$ and $c = 13$.
4. $a =$ _____	$b = 11$ and $c = \sqrt{137}$.

Find the value of 'x' for each of the following.

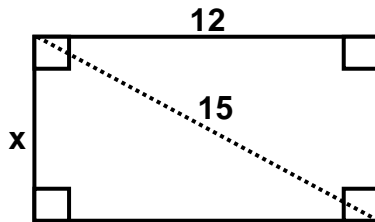
5. $x =$ _____



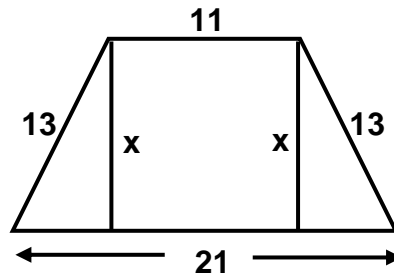
6. $x =$ _____



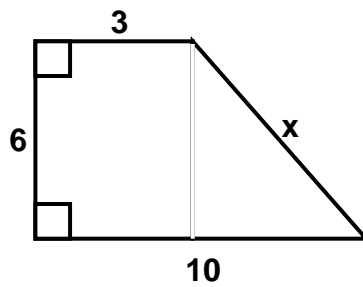
7. $x =$ _____

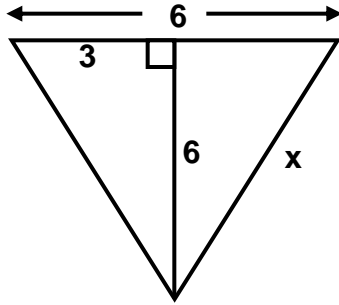


8. $x =$ _____



9. $x =$ _____



10. $x =$ _____

Determine if a right triangle can be formed with the given lengths.

11. YES or NO	7 ft, 20 ft, and 12 ft.
12. YES or NO	15 cm, 8 cm, and 17 cm
13. YES or NO	20 m, 8 m, 19 m
14. YES or NO	$\sqrt{5}, \sqrt{5}, \sqrt{10}$