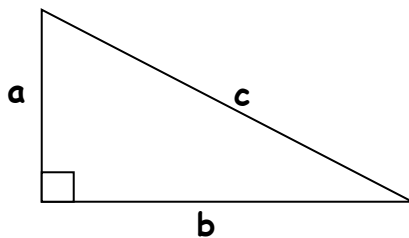


NAME _____ DATE _____ PER. _____

PYTHAGOREAN THEOREM



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

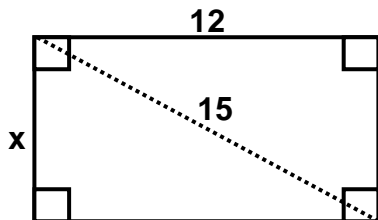
5 POINTS EACH	1. $c =$ _____	$a = 8$ and $b = 6$.
	2. $b =$ _____	$a = 24$ and $c = 26$.
	3. $b =$ _____	$a = 5$ and $c = 13$.
	4. $a =$ _____	$b = 11$ and $c = \sqrt{137}$.

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

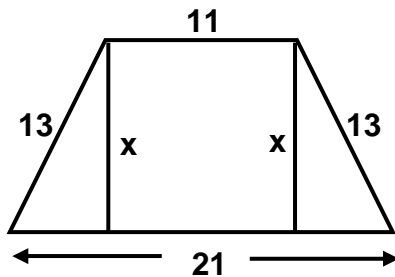
5. $x =$ _____	
6. $x =$ _____	

5 POINTS EACH

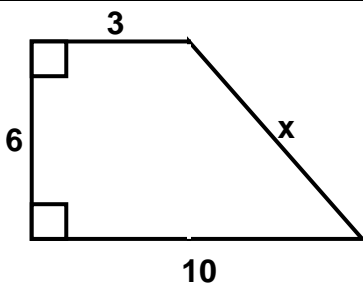
7. $x =$ _____



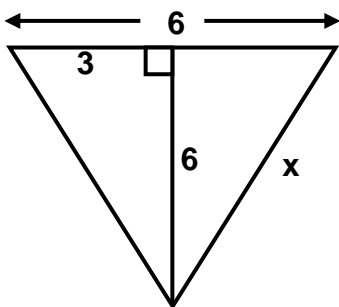
8. $x =$ _____



9. $x =$ _____



10. $x =$ _____

**Find the indicated length.**

11. _____

A rectangle has a diagonal of 2 and a length of $\sqrt{3}$. Find its width.

12. _____

Find the length of a diagonal of a square with perimeter 16.