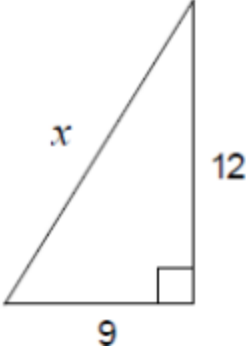
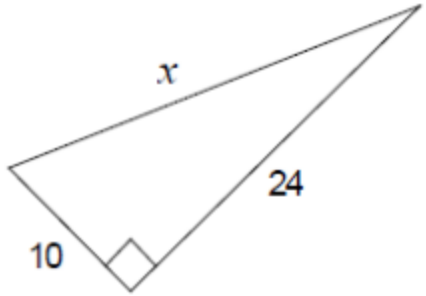
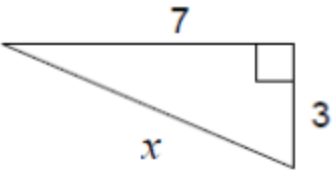
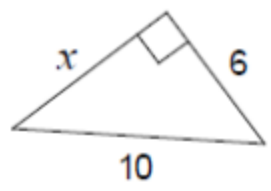
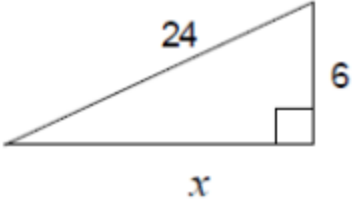
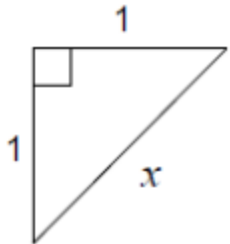
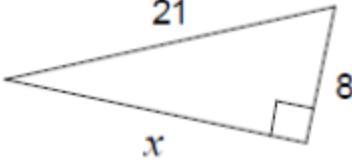
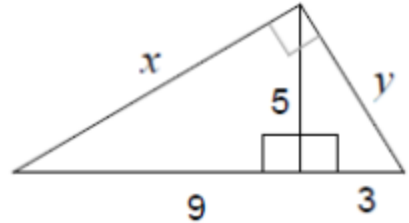


Introductory Pythagorean Theorem Assignment

NAME: _____

Part 1: Find the length of the missing side in the following examples. **Round all answers to the nearest tenth, if necessary.** (1 mark each)

<p>1.</p> 	<p>2.</p> 
<p>3.</p> 	<p>4.</p> 
<p>5.</p> 	<p>6.</p> 
<p>7.</p> 	<p>8.</p> 

Part 2: What is the length of the missing side of the following right angle triangles. **Round all answers to the nearest tenth, if necessary.** (1 mark each)

9. $a=3$; $b=4$; $c=?$	10. $a=6$; $b=?$; $c=10$
11. $a=15$; $b=1$; $c=?$	12. $a=40$; $b=50$; $c=?$
13. $a=?$; $b=12$; $c=15$	14. $a=1.2$; $b=3.5$; $c=?$
15. $a=12.25$; $b=1.4$; $c=?$	16. $a=4.5$; $b=?$; $c=4.9$

17. A ladder is leaning against the side of a 10m house. If the base of the ladder is 3m away from the house, how tall is the ladder? Draw a diagram and show your work. (4 marks)