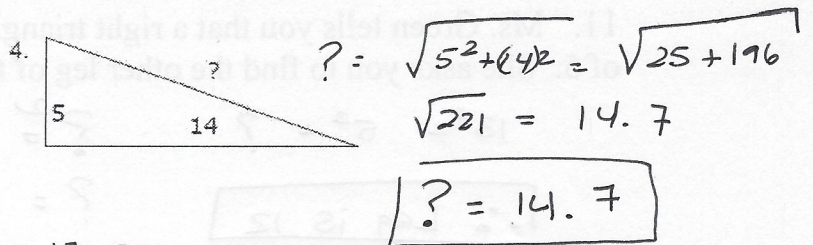
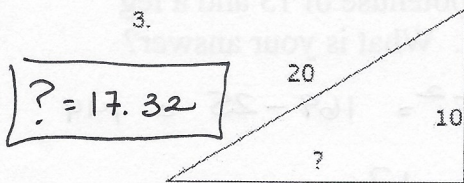
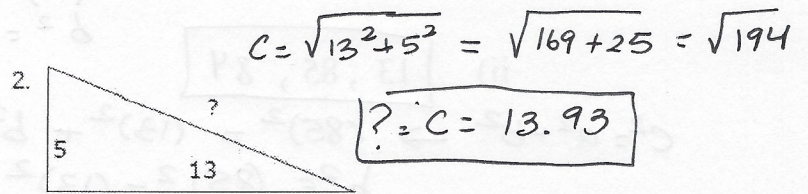
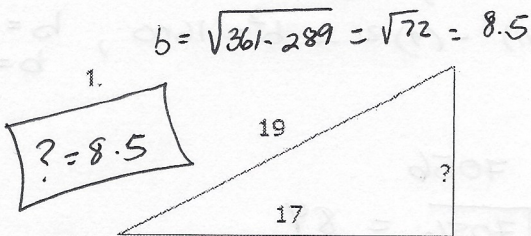


NAME:

## PYTHAGOREAN THEOREM - WORKSHEET

For each triangle find the missing length. Round your answer to the nearest tenth. Then find the area and the perimeter.



$$b = \sqrt{20^2 - 10^2} = \sqrt{400 - 100} = \sqrt{300} = 17.32$$

For #5-9 c is the hypotenuse of the right triangle ABC with sides a, b, c

5.  $a = 12$ ;  $b = 5$ ;  $c = \underline{\sqrt{169} = 13}$

6.  $a = 8$ ;  $b = \underline{\sqrt{36} = 6}$ ;  $c = 10$

7.  $a = 15$ ;  $b = \underline{\sqrt{64} = 8}$ ;  $c = 17$

8.  $a = \underline{\sqrt{900} = 30}$ ;  $b = 40$ ;  $c = 50$

9.  $a = \underline{\sqrt{12} = 3.46}$ ;  $b = 2$ ;  $c = 4$