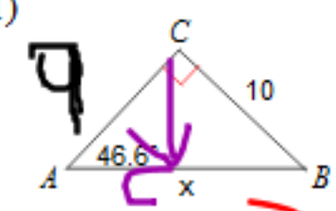
Math 10P Name_____

Review: Trignometry

Date_____

Find the measure of each side indicated using Pythangorean Theorem. Round each side to the nearest tenth.

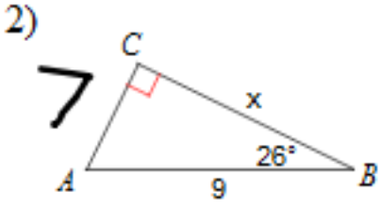
1)



$a^2+b^2=c^2$

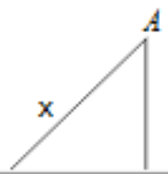
$9^2+10^2=c^2$

2)

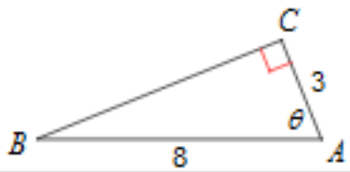


Find the measure of the side indicated by the x, or the degree indicated by the theta symbol. Round to the nearest tenth, or the nearest degree. *Remember SOHCAHTOA for right-angle triangles

3)



4)



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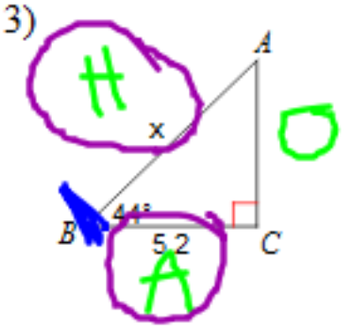


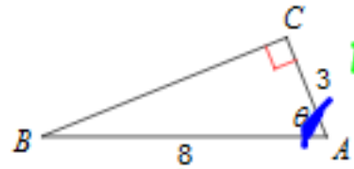
$\cos\theta = \frac{A}{H}$

$\cos 44 = \frac{5.2}{x}$

$\frac{(x)(\cos 44)}{\cos 44} = \frac{5.2}{\cos 44}$

$x = 7.2$

4)



$\cos\theta = \frac{A}{H}$

$\cos\theta = \frac{3}{8}$

$\cos\theta = 0.375$

$\theta = 68^\circ$

1) 13.5

2) 5.7

5) 308m

b) 311.4m

6) 26°

7) 34cm

8) $A = 38°$

9) $b = 25m$