

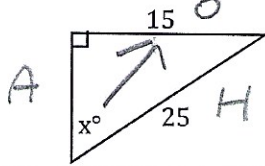
ch 8.4 Name: _____

Class: _____

Part 2

Label each triangle with "O" for opposite, "A" for adjacent, and "H" for hypotenuse. Then find the measure of the angle labeled x.

1. Step 1: Label A, O, and H. Step 2: Write out the ratio. Step 3: Plug in and solve.

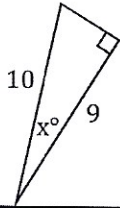


$\sin X = \frac{O}{H}$
 $\sin^{-1} \frac{O}{H} = X$

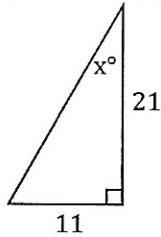
$\sin^{-1} \frac{15}{25} = X$

$36.87^\circ = X$

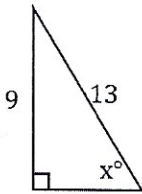
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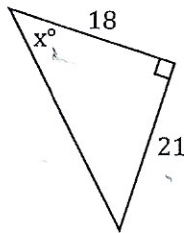
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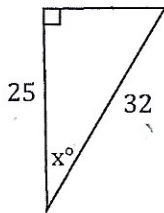
4.



5.



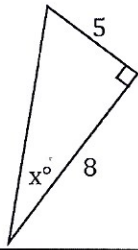
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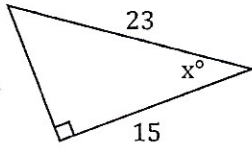
Bubble all the correct answers from above. Don't bubble incorrect answers.

- 28.37°
 31.59°
 43.81°
 38.62°
 21.34°
 25.87°
 49.4°
 27.65°
 36.87°
 25.48°

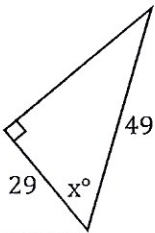
7.



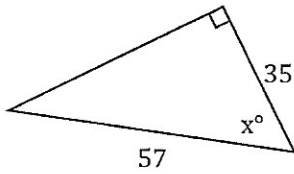
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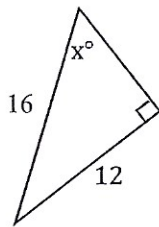
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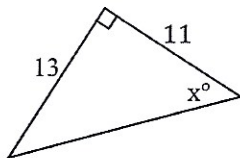
10.



11.



12.



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Bubble all the correct answers from above. Don't bubble incorrect answers.

- 48.59° 66.25° 49.76° 52.12° 37.69° 49.29° 47.26° 53.71° 54.87° 32.01°