

Name: _____

Unit 5 - Trigonometry

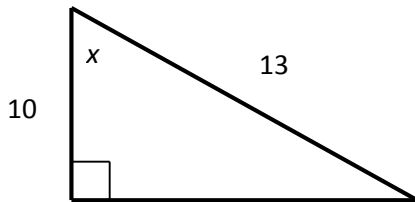
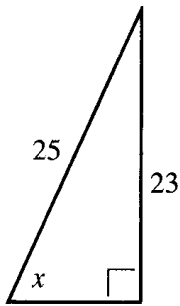
5.5 - Finding Unknown Angles in Right Triangles

To find the value of an unknown angle in a Right Triangle, we use the following formulas:

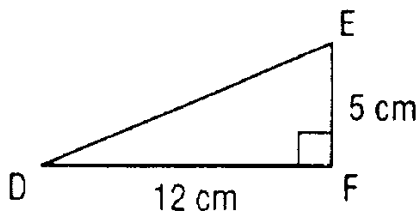
$$\theta = \sin^{-1}\left(\frac{Opp}{Hyp}\right) \qquad \theta = \cos^{-1}\left(\frac{Adj}{Hyp}\right) \qquad \theta = \tan^{-1}\left(\frac{Opp}{Adj}\right)$$

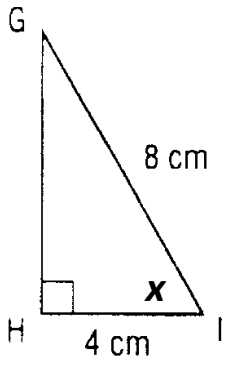
Which formula we use depends on which 2 sides are given in the question.

Examples: Find the values of angle x .

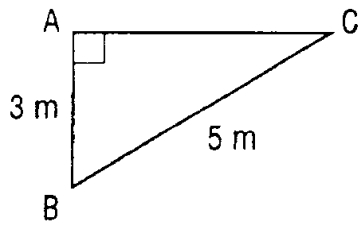


Find the value of angle E .





Find the value of angle B .



Find the value of angle O .

