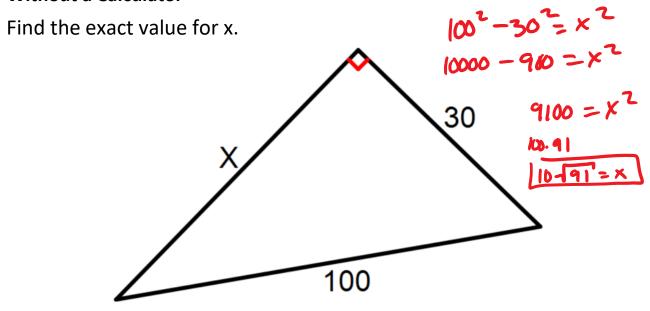
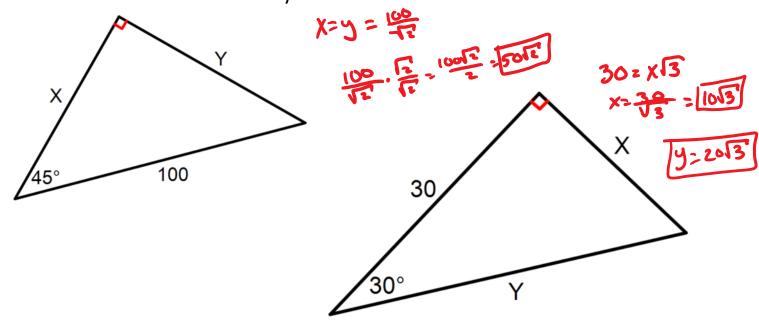
## Without a Calculator



Find the exact value for x and y.



What are the trig ratios

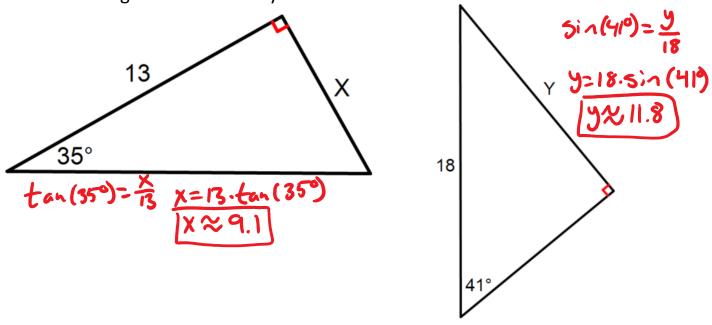
$$Sin(x) = \frac{opp}{Hyp}$$

$$Cos(x) = \frac{A-d_j}{Hy\rho}.$$

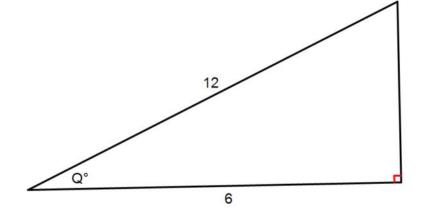
$$Tan(x) = \frac{O(0.7)}{Ads}$$

## With a Calculator

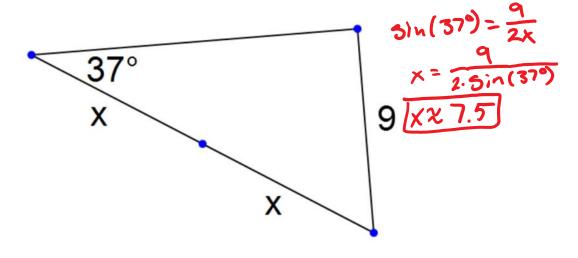
Find the missing variable. Round your answer to the nearest tenth.



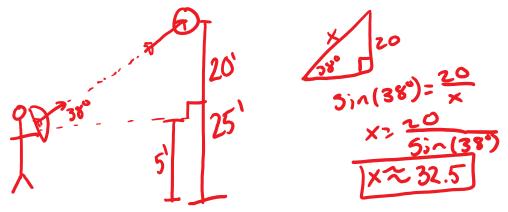
Find the measure of the angle. Round your answer to the nearest tenth.



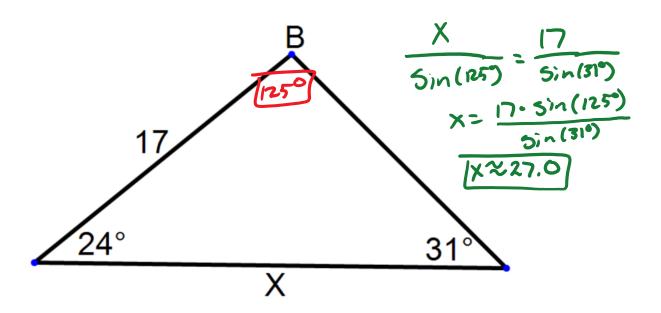
Find the value of x to the nearest tenth.



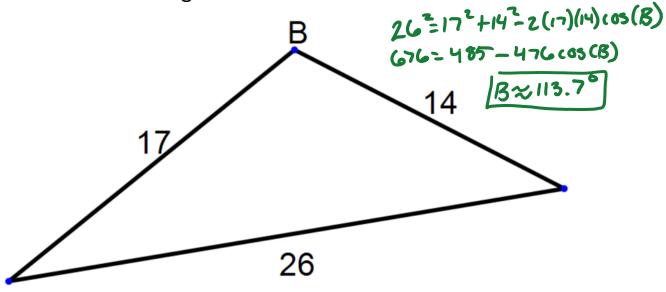
You are standing on the ground and shoot an arrow at a target that is 25 feet in the air. If you shoot the arrow at a 38° angle, how far does the arrow travel? (Assume the arrow is released 5 feet from the ground.)



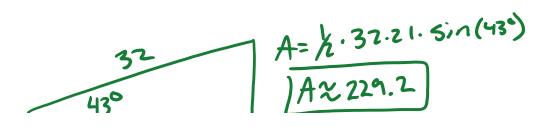
Find the measure of angle B and the length of X to the nearest tenth.



Find the measure of angle B to the nearest tenth.



If one side of a triangle is 32, and another side is 21 and the angle connecting them is 43°, what is the area of the triangle?



Topic 8 - Right Triangles and Trigonometry Page 4

