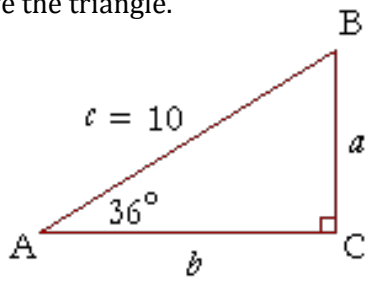


Unit 2 Quiz Review: Triangle Trig (Days 1 & 2)

1. A triangle has an acute angle such that $\sin\theta = \frac{3}{8}$. Find the other five trigonometric ratios.

2. Solve the triangle.



3. John is standing 20 feet from a tree. The angle of elevation to the top of the tree is 15° . There is a tree house on top of the tree and the angle of elevation to the top of the tree house is 18° . How tall is the tree house?
4. From the top of a barn 25 feet tall, you see a cat on the ground. The angle of depression of the cat is 40° . How many feet, to the *nearest foot*, must the cat walk to reach the barn?