Quiz Review: Triangle Trig

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



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