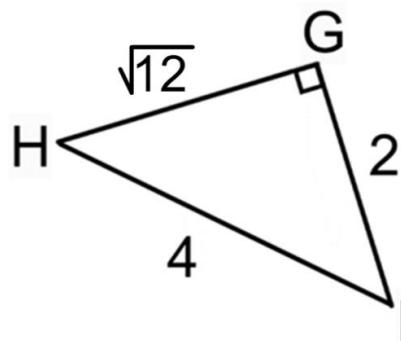


Right Triangle Trigonometry Review

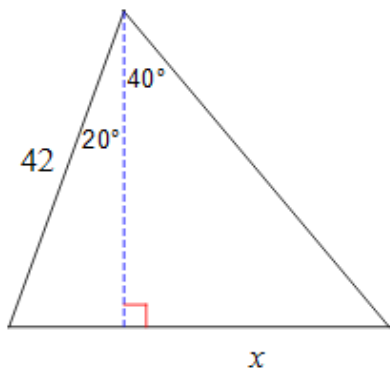
Name _____

1. Identify the $\sin(H)$, $\cos(H)$, and $\tan(H)$. Write answer in simplest radical form.

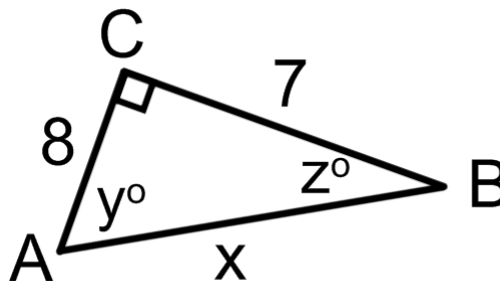


2. What trig. function is complementary to $\cos(M)$? What do we know because they are complementary angles?

3. Solve for x . Round to the nearest hundredth.



4. Solve for the variables. Round to the nearest tenth.



5. A fire department's longest ladder is 110 feet long, and the safety regulation states that they can use it for rescues up to 100 feet off the ground. What is the maximum safe angle of elevation for the rescue ladder? Round to the nearest degree.
6. A swimming pool is 30 meters long and 12 meters wide. The bottom of the pool is slanted so that the water depth is 1.3 meters at the shallow end and 4 meters at the deep end. Find the angle of depression of the bottom of the pool. Round to the nearest degree.
7. Ophelia Payne is walking to her office building which she knows is 150ft high. The angle to the top of the building from her current location is 6° . How much further does she need to walk? Round to the nearest tenth.
8. Find sine, cosine, and tangent of $\angle A$ and $\angle C$.

