Accelerated Precalculus   **Right Triangle Trigonometry Quiz Review WS 1**

1. If sec θ = 3, find the remaining 5 trigonometric ratios.

sin θ = _____   tan θ =_____   csc θ = _____   cot θ = _____   cos θ = _____

2. Solve the triangle below. Round answers to the nearest tenth.
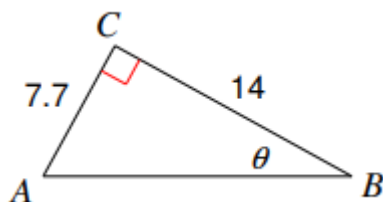
3. Solve the triangle below. Round answers to the nearest tenth.
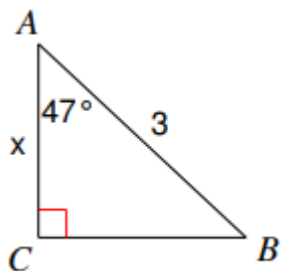
4. A 37-foot tree casts a 27-foot shadow. What is the angle of elevation of the sun?

5. , You are a block away from a skyscraper that is 780 feet tall. Your friend is between the skyscraper and yourself. The angle of elevation from your position to the top of the skyscraper is 42°. The angle of elevation from your friend's position to the top of the skyscraper is 71°. To the nearest foot, how far are you from your friend?