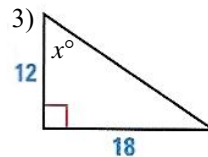
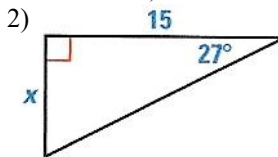
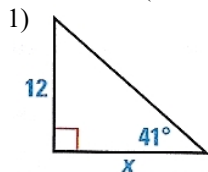


Chapter 9 Trig Study Guide

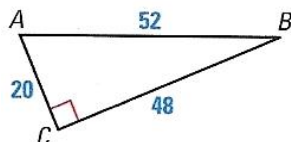
Geometry

9.4 The Tangent Ratio

Solve for x . (answers in trig and decimal form.)



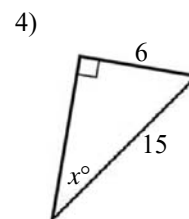
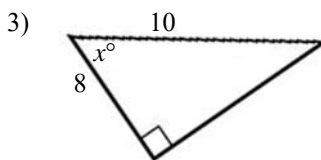
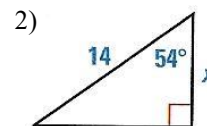
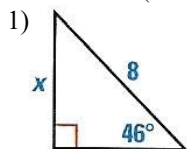
4) Write the tangent ratio for $\angle A$ and $\angle B$



5) A ladder that is 15 feet long is leaning against a wall. The ladder needs to make a 70° angle of elevation to be safe. How far from the wall is the ladder?

9.5 The Sine and Cosine Ratios

Solve for x (answers in trig and decimal form.)



5) At the park down the street, there is a slide. The top of the slide is 12 feet from the ground and has an angle of depression of 53° . What is the length of the slide?



9.6 Solving Right Triangles

Approximate the measures of each angle to the nearest tenth of a degree.

1) $\tan x = 0.16$

2) $\cos y = 0.27$

3) $\sin z = 0.31$

Solve the triangle. (answers in trig and decimal form.)

