Geometry

7.6 Apply the Sine and Cosine Ratios

# Sine and Cosine Ratios

hypotenuse

opposite

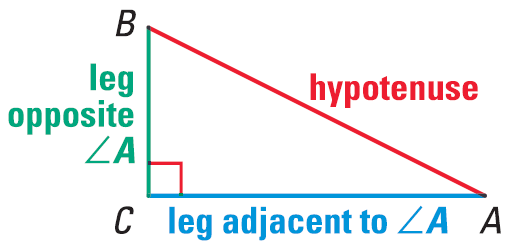
adjacent

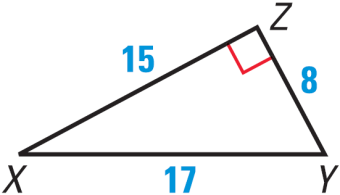
hypotenuse

S O H

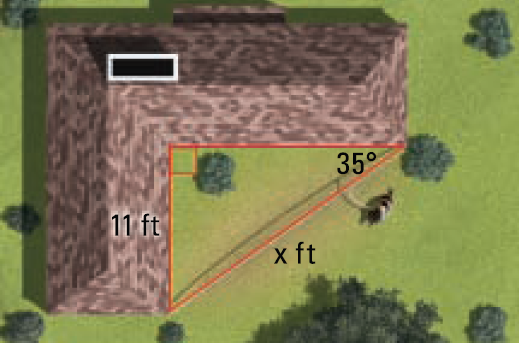
C A H

T O A

Find sin X, cos X, and tan X



Find the length of the dog run (x).



# Angle of Elevation and Depression

horizontal

Both are measured from the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

congruent

parallel

Since they are measured to \_\_\_\_\_\_\_\_\_\_\_\_\_ lines, they are \_\_\_\_\_\_\_\_\_\_\_\_\_\_

The angle of elevation of a plane as seen from the airport is 50°. If the plane’s 1000 ft away, how high is plane?

Draw right triangle.

Assignment: 477 #2-30 even, 34, 36, 42-48 even = 21