

Lesson 7.6







Lesson 7.6



Using Angles in Application

A dog is looking at a squirrel at the top of a tree. The distance between the two animals is 55 feet and the angle of elevation is 64°. How high is the squirrel and how far is the dog from the base of the tree?

$$55.5in 64 = \frac{X}{55}.55$$

$$X = 55 \cdot 5in 64$$

 $X = 49.4 ft$

55. Cos
$$64 = \frac{y}{55}$$
 55
 $Y = 55$ Cos 64
 $Y = 241 PT$





Worksheet 7.6B

