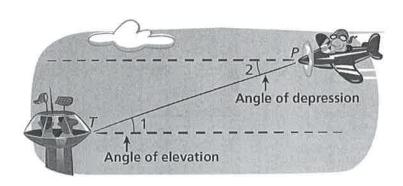
9.4 9.6 - Angles of Elevation & Depression and Workday.notebook

9.6B

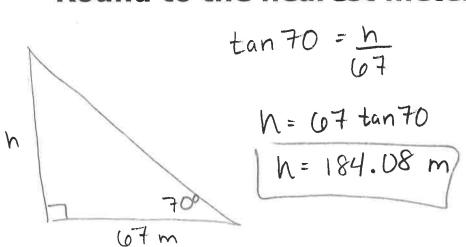
9.6 Angles of Elevation and Depression and workday

angle of elevation is the angle formed by a horizontal line and a line of sight to a point above the line.

angle of depression is the angle formed by a horizontal line and a line of sight to a point *below* the line.



The Seattle Space Needle casts a 67meter shadow. If the angle of elevation from the tip of the shadow to the top of the Space Needle is 70°, how tall is the Space Needle? Round to the nearest meter.



A pilot flying at an altitude of 12,000 ft sights two airports directly in front of him. The angle of depression to Airport A is 78° and the angle of depression to Airport B is 19°. What is the distance between the two airports?

