👍 **Partner Paper** 👍

Name_____

Angles of Elevation and Depression PART 2

Draw a diagram, SHOW ALL WORK, and tell whether each is an example of elevation or depression. Round to the nearest hundredth.

1) A string of lights is attached from the top of a pole and creates a 58° angle with the ground. From the stake to the bottom of the pole measures 20 feet. How long is the string of lights?

   ELEVATION OR DEPRESSION???

   Draw diagram & show work here

2) The front of a wheelchair ramp is 13.5 feet from the building and reaches a height of 3 feet off of the ground. Find the angle that the ramp makes with the ground.

   ELEVATION OR DEPRESSION???

   Draw diagram & show work here

3) Josiah is standing on top of a cliff and throws a rock off of a cliff. The rock lands 265 feet away from the base of the cliff. If Josiah creates an angle of 54° with a line parallel to the ground, how far is he away from the rock.

   ELEVATION OR DEPRESSION???

   Draw diagram & show work here

4) In order to reach the top of a hill which is 250 feet high, Jack and Jill must travel 2024 feet up the hill to reach their pail of water. Find the number of degrees contained in the angle that is created by the hill.

   ELEVATION OR DEPRESSION???

   Draw diagram & show work here

5) A fireman leans his ladder against the wall and makes an angle of 74° with the ground. If the foot of the ladder is 6.5 feet away from the wall, how high on the wall does the ladder reach?

   ELEVATION OR DEPRESSION???

   Draw diagram & show work here