

Name _____

- 6) A helicopter hovers at 400 feet above the ground. The pilot is looking down at a car at an angle of 11° with a line parallel to the ground. Find the distance between the helicopter and the car.

ELEVATION OR DEPRESSION???

Draw diagram & show work here

- 7) Letitia is flying a kite and she lets out 303 feet of string which makes an angle of 38° with the ground. Assuming that the string is straight, how high above the ground is the kite?

ELEVATION OR DEPRESSION???

Draw diagram & show work here

- 8) A straight road to the top of a hill is 1375 feet long and makes an angle 17° with the horizontal. Find the height of the hill.

ELEVATION OR DEPRESSION???

Draw diagram & show work here

- 9) A cricket is looking up at you at an angle of 24° . If you are 5 feet tall, how far away from the cricket are you standing?

ELEVATION OR DEPRESSION???

Draw diagram & show work here

- 10) A bird is perched 37 feet up in a tree when he spies a little worm on the ground. The bird looks down at the worm at an angle of 42° with a line parallel to the ground. How far will the bird have to fly to get his dinner?

ELEVATION OR DEPRESSION???

Draw diagram & show work here