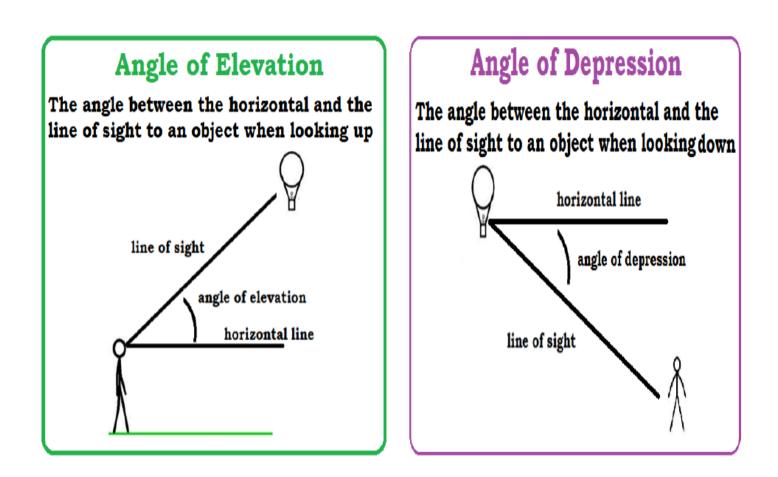
Unit 2 Day 2 Notes- Angles of Elevation/Depression

Name		

Date _____



1. A tree casts a 5m shadow. Find the height of the tree if the angle of elevation of the sun is 32.3°.Sketch:Work:Answer:

2. A ladder 10.4 m long leans against a building that is 1.5 meters away. What is the angle formed by the ladder and the building?
Sketch: Work: Answer:

3. A ladder 8.6 m long makes an angle of 68° with the ground as it leans against a building. How far is the
foot of the ladder from the foot of the building?Sketch:Work:Answer:

4. The angle of depression from the top of a cliff 800 meters high to the base of a log cabin is 37°. How far is the cabin from the foot of the cliff? **Sketch: Work: Answer:**

6. From a point on the ground 500 ft from the base of a building, it is observed that the angle of elevation to the top of the building is 24° and the angle of elevation to the top of a flagpole atop the building is 27°. Find the height of the building and the length of the flagpole.
Sketch: Work: Answer:

5. Mrs. Roberts stands 25ft from the flagpole. She looks and the angle of elevation to the top of the flagpole is 45 degrees. Find the height of the flagpole.
Sketch: Work: Answer: