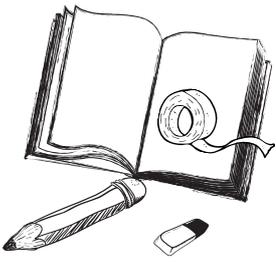


Name: _____

Date: _____



Right Triangle Trigonometry Word

Problems Worksheet

Draw triangles and label it. Also solve the below problems

1. Sham, whose eyes are seven feet off the ground, is standing 56 feet away from the base of a building, and he looks up at a 75 degree angle of elevation to a point on the edge of the building's roof. How tall will be the building?

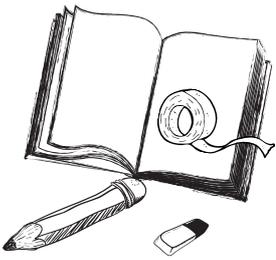
2. A pilot is travelling at a height of 32,000 feet above level ground. He looks down at an angle of depression of 15 degree. and spot the runway. As measured the ground, how many distance will be away from the runway?

3. A cat is 10 meters from the base of a tree, Spot a parrot in the tree at an angle of elevation 60 degree. What is the direct-line distance between the cat and the parrot?

4. A 25 feet ladder leans against a house so that the base of a ladder is 7 feet from the base of the house. What is the angle of elevation of the ladder?

Name: _____

Date: _____



Right Triangle Trigonometry Word

Problems Worksheet

Draw triangles and label it. Also solve the below problems

5. At a point on a ground 155 feet from the base of a tree, the angle of elevation to the top of the tree is 52 degree. What is the height of the tree?

6. Reena flies a kite 35 m in the air. If the elevation of the kite is 59 degree. How long is the kite string?

3. John leave the balloon accidentally. Currentle the balloon is 425 m in the air. What is the angle of elevation when john looks up to his balloon?

4. From the top of the building 165 feet tall, the angle of depression of a van in a road is 45 degree. What is the distance from the van to the base of the building?