

Class 10 Mathematics - Some Applications of Trigonometry

Name: _____

Date: _____

Easy Worksheet 3

Questions

1. From a point 10 m away from a tree, the angle of elevation of its top is 45° . Find the height of the tree.
2. What is the angle of depression?
3. What is the horizontal line used in measuring angles of elevation and depression?
4. Which trigonometric ratio relates height and distance?
5. If $\tan \theta = 1$, what is the value of θ ?
6. Name one practical application of trigonometry.

Answer Key

1. 10 m
2. The angle formed by the line of sight with the horizontal when looking downward.
3. Horizontal level
4. $\tan \theta$
5. 45°

6. Finding heights and distances

