

Class 10 Mathematics - Some Applications of Trigonometry

Name: _____

Date: _____

Easy Worksheet 1

Questions

1. What is the line of sight?
2. Define angle of elevation.
3. Define angle of depression.
4. When is an angle called an angle of elevation?
5. When is an angle called an angle of depression?
6. Which trigonometric ratio is generally used to find the height of an object when its distance from the observer is known?

Answer Key

1. The line drawn from the eye of an observer to the object being viewed.
2. The angle formed by the line of sight with the horizontal when the object is above the observer.
3. The angle formed by the line of sight with the horizontal when the object is below the observer.
4. When the observer raises their head to look at the object.
5. When the observer lowers their head to look at the object.

6. Tangent ratio ($\tan \theta$).

