Worksheet: Some Applications of Trigonometry

Uttar Pradesh State Board · Class 10 · Mathematics · 3 questions · 9 marks

Name: _____ Date: _____ Score: _____ / 9

Q1. Define angle of elevation. *[1 mark]*

Q2. From a point 30 m from the base of a tower, the angle of elevation of its top is 60°. Find the height of the tower. *[3 marks]*

Q3. The angle of elevation of a tower from a point on the ground is 30°. After walking 60 m toward the tower, it becomes 60°. Find the height of the tower. *[5 marks]*