

## Worksheet: Some Applications of Trigonometry

Odisha State Board · Class 10 · Mathematics · 3 questions · 9 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 9

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

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

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

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