

## Worksheet: Triangles

NIOS · Class 10 · Mathematics · 4 questions · 10 marks

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

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

Score: \_\_\_\_\_ / 10

**Q1.** Find the hypotenuse of a right triangle with legs 5 cm and 12 cm. *[1 mark]*

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**Q2.** Two similar triangles have sides in ratio 3:4. Find the ratio of their areas. *[1 mark]*

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**Q3.** In  $\triangle ABC$ ,  $DE \parallel BC$ . If  $AD/DB = 2/3$  and  $AE = 4$  cm, find  $EC$ . *[3 marks]*

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**Q4.** A ladder 17 m long reaches a window 8 m above the ground. Find the distance of the foot of the ladder from the wall. *[5 marks]*

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