Calculating Area of Triangles

Name: _____ Date: _____

Remember: Area of a triangle = ½ × base × height

Section A: Calculate the area of each triangle

1. Base = 8 cm, Height = 5 cm

Area = _____ cm²

2. Base = 12 m, Height = 7 m

Area = _____ m²

3. Base = 15 mm, Height = 10 mm

Area = _____ mm²

4. Base = 20 cm, Height = 9 cm

Area = _____ cm²

5. Base = 14 m, Height = 11 m

Area = _____ m²

6. Base = 18 cm, Height = 13 cm

Area = _____ cm²

Section B: Problem solving

7. A triangular garden has a base of 24 metres and a height of 16 metres. What is the area of the garden?

Area = _____ m²

8. A triangular sail on a boat has a base of 3.5 metres and a height of 6 metres. Calculate the area of the sail.

Area = _____ m²

9. A triangle has an area of 60 cm^2 and a base of 12 cm. What is the height of the triangle?

Height = _____ cm

10. A triangle has an area of 84 m^2 and a height of 14 m. What is the length of the base?

Base = _____ m

Section C: Challenge

11. A triangular piece of land has a base of 45 metres and a height of 32 metres. If the land costs $150 per square metre, what is the total cost of the land?

Area = _____ m^2

Total cost = $ _____