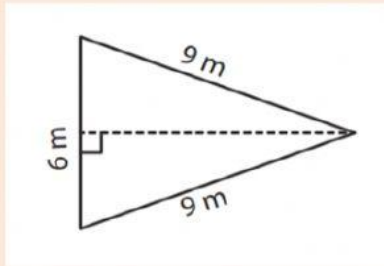


NAME _____

DATE _____

Area of Isosceles Triangles Activity 1

Example:

$$h = \sqrt{9^2 - 3^2}$$

$$= \sqrt{81 - 9}$$

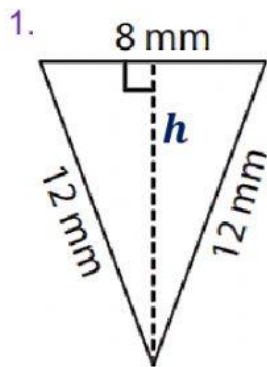
$$= \sqrt{72} = 8.485 \text{ m}$$

$$\text{Area} = \frac{1}{2}(b \times h) = \frac{1}{2} \times 6 \times 8.485$$

$$\text{or } \frac{6 \times 8.485}{2}$$

$$= 3 \times 8.485 = 25.456 \text{ m}^2$$

Calculate the area of the Isosceles triangles given to 2 decimal places.



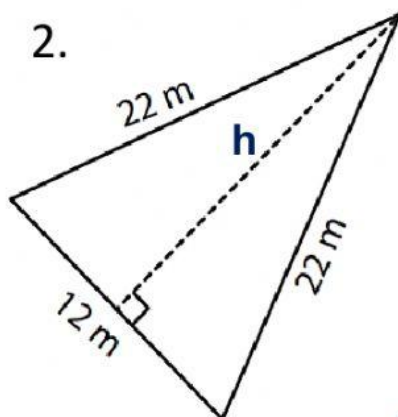
$$h = \sqrt{\quad - \quad}$$

$$= \sqrt{\quad - \quad}$$

$$= \sqrt{\quad} = \quad \text{mm}$$

$$\text{Area} = \frac{b \times h}{2} = \frac{\quad \times \quad}{2}$$

$$= \quad \text{mm}^2$$



$$h = \sqrt{\quad - \quad}$$

$$= \sqrt{\quad - \quad}$$

$$= \sqrt{\quad} = \quad \text{m}$$

$$\text{Area} = \frac{b \times h}{2} = \frac{\quad \times \quad}{2}$$

$$= \quad \text{m}^2$$