4.2 AREA OF TRIANGLES

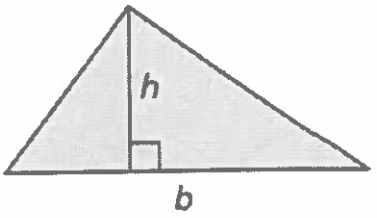
ESSENTIAL QUESTION:

How do you find the area of a triangle?

Area of a Triangle

The area *A* of a triangle is one half the product of its base *b* and its height *h*.

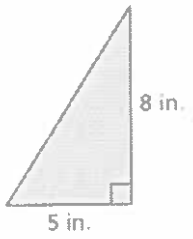
$A = \frac{bh}{2}$ or $\frac{1}{2}bh$



EXAMPLE 1

Find the area of the triangle.

1)



$A = \frac{5 \cdot 8}{2}$

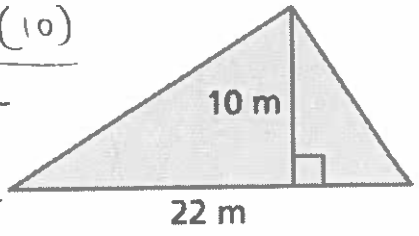
$A = \frac{40}{2}$

$A = 20 \text{ in}^2$

2)

$A = \frac{22(10)}{2}$

$A = \frac{220}{10}$



$A = 110 \text{ m}^2$

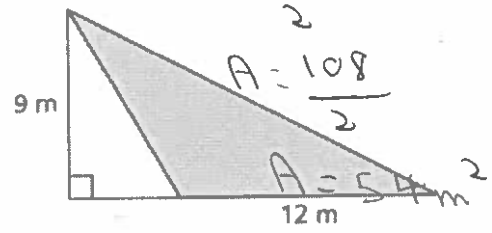
EXAMPLE 2

Find the area of the triangle.

1)

$A = \frac{12 \cdot 9}{2}$

$A = \frac{108}{2}$

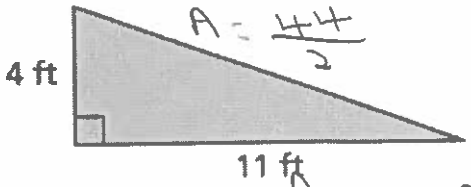


$A = 54 \text{ m}^2$

2)

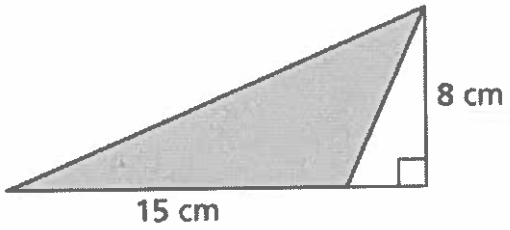
$A = \frac{11(4)}{2}$

$A = \frac{44}{2}$



$A = 22 \text{ ft}^2$

3)



$A = \frac{15(8)}{2}$

$A = \frac{120}{2}$

$A = 60 \text{ cm}^2$