

Height = h and Base = $h - 6$

$$20 = \frac{1}{2}(h - 6)(h)$$

$$20 = \frac{1}{2}(h^2 - 6h)$$

$$40 = h^2 - 6h$$

$$0 = h^2 - 6h - 40$$

$$0 = (h - 10)(h + 4)$$

$h = 10$ or $h = -4$ Since the height is 10, the base is $10 - 6 = 4$.