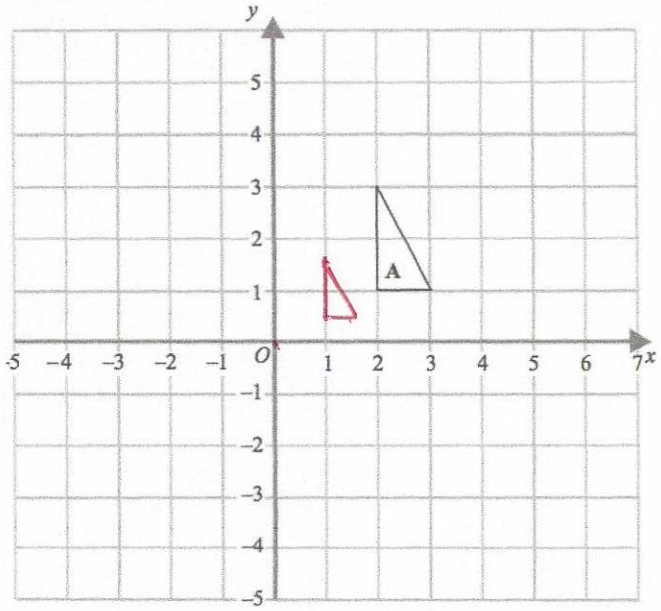
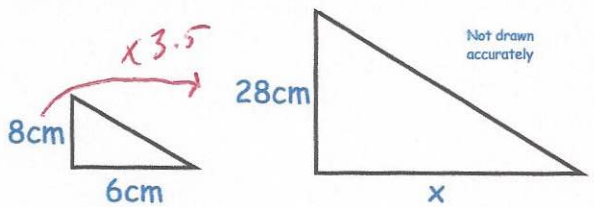
17th December

Corbettmaths



Enlarge A by scale factor ½, centre O.



The triangles are mathematically similar.

Find x. $6 \times 3.5 = 21\text{cm}$

$$y + c = 3w - a$$

$+a$ $+a$

Make w the subject.

$y + c + a = 3w$

$\div 3$ $\div 3$

$\frac{y+c+a}{3} = w$

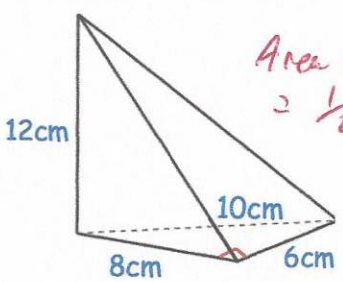
$w = \frac{y+c+a}{3}$

Find the volume of this triangular-based pyramid

$V = \frac{1}{3} A \times h$

$= \frac{1}{3}(24) \times 12$

$= 96\text{cm}^3$



Area of base $= \frac{1}{2}(8 \times 6) = 24\text{cm}^2$

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