

ACTION

RESPONSE

Make x the subject of each formula

(a) $y = 4x$

(b) $y = 2x + 3$

(c) $y = 4x - 8$

(d) $y = \frac{x+2}{4}$

(d) $y = \frac{x-2}{5}$

(d) $y = \frac{ax-bc}{d}$

(g) $y = \frac{(3+x)a}{4}$

(e) $y = \frac{5(x+v)}{4}$

(d) $y = a + \frac{x-3}{4}$

Fluency



Reasoning



Ohm's law is used in electrical circuits and states that: $V = IR$

Write formulae with I and R as their subjects.

Newton's Second law states that $F = ma$

Write formulae with m and a as their subjects.

The formula $2\pi r$ can be used to find the circumference of a circle

Make r the subject of this formula.

Problem Solving



A box with a square base has its volume given by

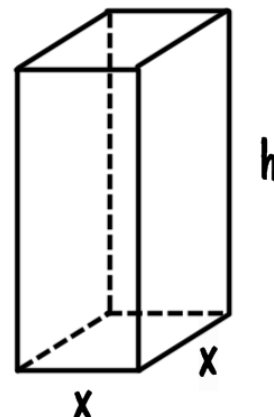
$$V = x^2h$$

And its surface area given by

$$A = 2x^2 + 4xh$$

(a) Make h the subject of both formulae.

(b) Find h if $A = 24\text{cm}^2$ and $x = 2\text{cm}$.



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