

Maths

Change the subject of a formula

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Change the subject of the formula

1. Make p the subject in each of the following.

a) $T = 5p$

b) $H = \frac{5}{p}$

c) $j = 5p + g$

d) $r = 3p - d$

e) $w = e - p$

f) $a = 5e - p$

2. Make t the subject of the formula when $X = 3(t - 5)$

3. John is attempting to make h the subject of the formula when $g = 5 - \frac{h}{2}$
What mistake has he made?

$$g = 5 - \frac{h}{2}$$

$$-2g = 5 + h$$

$$h = -2g - 5$$



Answers



Change the subject of the formula

1. Make p the subject in each of the following.

a) $T = 5p$ $p = \frac{T}{5}$

b) $H = \frac{5}{p}$ $p = \frac{5}{H}$

c) $j = 5p + g$ $p = \frac{j - g}{5}$

d) $r = 3p - d$ $p = \frac{r + d}{3}$

e) $w = e - p$ $p = e - w$

f) $a = 5e - p$ $p = 5e - a$

2. Make t the subject of the formula

when $X = 3(t - 5)$ $t = \frac{X}{3} + 5$

3. John is attempting to make h the subject of the formula when $g = 5 - \frac{h}{2}$. What mistake has he made?

$$g = 5 - \frac{h}{2}$$

$$-2g = 5 + h$$

$$h = -2g - 5$$

He has not multiplied all terms by -2

