

Changing the Subject - One Step: Exercise



1 Make x the subject of the following:

a $y = x + 3$

b $2y = x + 1$

c $a = x - c$

d $x - 5 = 2a$

e $x^2 = a$

f $4y = 3 + x$

g $x + 3m = 3n$

h $\sqrt{x} = b$

i $b^2 = a^2 + x$

2 Make x the subject of the following:

a $y = 5x$

b $bx = 10$

c $cx = d$

d $\frac{x}{4} = a$

e $5 = \frac{x}{y}$

f $\frac{x}{m} = 2n$

g $5y = \frac{x}{2y}$

3 Make y the subject of the following:

a $y - m^2 = 3a$

b $2y = a$

c $a = y^5$

d $ab = \frac{y}{4}$

e $3 + y = a$

f $n^2 = 3m^2 + y$

g $\sqrt[3]{y} = ab + 3$

h $12x^2 = \frac{y}{4}$

i $a^2 - 2ab = y^4$

4 Make a the subject of the following:

a $\frac{a}{3x} = 2y$

b $2xya = 6y$

c $3x = \frac{a}{5x^2}$