

Change the Subject of a Linear Formula Involving Brackets and Fractions: Exercise



Mini-Exercise 1:

Make x the subject of the following:

1 $y = z + \frac{x}{2}$

2 $\frac{x}{a} - 3 = 2b^2$

3 $6p - 3 = \frac{3x}{q}$

4 $\frac{5x}{6d^2} - 2e = \sqrt{f}$

5 $r = 2s - \frac{x}{3}$

6 $9a^3 - \frac{2x}{b} = 2c$

7 $e - 2f = \frac{x - 3g}{h^2}$

8 $4b - 3 = \frac{5c^2 - 2a}{7}$

Mini-Exercise 2:

Make x the subject of the following:

1 $y = \frac{2(x - 3)}{5}$

2 $\frac{a}{b}(x + 2) = c$

3 $2p = \frac{q^2(x - 3r)}{4}$

4 $3t = \frac{7}{s}(u - x)$

5 $2d = \frac{7e^4(3f - x)}{5d}$

6 $2g = \frac{h(3x - k)}{5}$

7 $\frac{a}{7c}(10x - 3b) = y^3$

8 $7y^2 = \frac{5(3 - 4x)}{2y}$

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