

 Make x the subject

1 $y = x + 5$ $x = y - 5$

2 $y = 4x$ $x = \frac{y}{4}$

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

4 $p = x - q$ $x = p + q$

5 $m = nx$ $x = \frac{m}{n}$

6 $t = \frac{x}{k}$ $x = tk$

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7 $y = 3x + 2$ $x = \frac{y - 2}{3}$

8 $y = 5x - a$ $x = \frac{y + a}{5}$

9 $p = qx + r$ $x = \frac{p - r}{q}$

10 $y = \frac{x}{2} + 4$ $x = 2y - 8$

11 $y = \frac{x + 3}{4}$ $x = 4y - 3$

12 $k = 7 - x$ $x = 7 - k$

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13 $y = 2(x + 3)$ $x = \frac{y - 6}{2}$

14 $a = 5(x - c)$ $x = \frac{a + 5c}{5}$

15 $p = q(x + r)$ $x = \frac{p - qr}{q}$

16 $y = 3(4 - x)$ $x = \frac{12 - y}{3}$

17 $m = \frac{2(x - 1)}{5}$ $x = \frac{5m + 2}{2}$

18 $t = \frac{x}{3} - 2k$ $x = 3t + 6k$

 Make x the subject

19 $y = 8 - 3x$ $x = \frac{8 - y}{3}$

20 $p = \frac{4 - x}{2}$ $x = 4 - 2p$

21 $a = c - mx$ $x = \frac{c - a}{m}$

22 $y = \frac{5x - 2}{3}$ $x = \frac{3y + 2}{5}$

23 $k = 2(3 - x) + 1$ $x = \frac{7 - k}{2}$

24 $w = \frac{ax}{c} + d$ $x = \frac{c(w - d)}{a}$

 Make x the subject

25 $y = \frac{12}{x}$ $x = \frac{12}{y}$

26 $p = \frac{q}{x}$ $x = \frac{q}{p}$

27 $t = \frac{k}{x} + 3$ $x = \frac{k}{t - 3}$

28 $y = \frac{6}{x + 1}$ $x = \frac{6 - y}{y}$

29 $a = \frac{c(x + 2)}{5}$ $x = \frac{5a - 2c}{c}$

30 $m = \frac{4}{x} - n$ $x = \frac{4}{m + n}$