



Résoudre des équations du type $ax = b$

Exercice n°1 : Résoudre les équations suivantes.

$10x = -7$	$5x = 10$	$-3x = 5$
$3x = -3$	$8x = 2$	$6x = 0$
$-9x = 10$	$2x = -2$	$-2x = -10$
$3x = 15$	$3x = 1$	$-10x = -11$
$9x = -10$	$-6x = 9$	$-4x = 0$
$-2x = -6$	$-13x = 7$	$-8x = -4$



Correction

Exercice n°1 : Résoudre les équations suivantes.

$10x = -7$ $\frac{10x}{10} = \frac{-7}{10}$ $x = \frac{-7}{10}$	$5x = 10$ $\frac{5x}{5} = \frac{10}{5}$ $x = 2$	$-3x = 5$ $\frac{-3x}{-3} = \frac{5}{-3}$ $x = \frac{5}{-3}$
$3x = -3$ $\frac{3x}{3} = \frac{-3}{3}$ $x = -1$	$8x = 2$ $\frac{8x}{8} = \frac{2}{8}$ $x = \frac{2}{8} = \frac{1}{4}$	$6x = 0$ $\frac{6x}{6} = \frac{0}{6}$ $x = 0$
$-9x = 10$ $\frac{-9x}{-9} = \frac{10}{-9}$ $x = \frac{-10}{9}$	$2x = -2$ $\frac{2x}{2} = \frac{-2}{2}$ $x = -1$	$-2x = -10$ $\frac{-2x}{-2} = \frac{-10}{-2}$ $x = 5$
$3x = 15$ $\frac{3x}{3} = \frac{15}{3}$ $x = 5$	$3x = 1$ $\frac{3x}{3} = \frac{1}{3}$ $x = \frac{1}{3}$	$-10x = -11$ $\frac{-10x}{-10} = \frac{-11}{-10}$ $x = \frac{-11}{-10} = \frac{11}{10}$
$9x = -10$ $\frac{9x}{9} = \frac{-10}{9}$ $x = \frac{-10}{9}$	$-6x = 9$ $\frac{-6x}{-6} = \frac{9}{-6}$ $x = \frac{9}{-6} = \frac{-3}{2}$	$-4x = 0$ $\frac{-4x}{-4} = \frac{0}{-4}$ $x = 0$
$-2x = -6$ $\frac{-2x}{-2} = \frac{-6}{-2}$ $x = 3$	$-13x = 7$ $\frac{-13x}{-13} = \frac{7}{-13}$ $x = \frac{-7}{13}$	$-8x = -4$ $\frac{-8x}{-8} = \frac{-4}{-8}$ $x = \frac{-4}{-8} = \frac{1}{2}$