

Feuille exercices : Equations

Exercice 1 : Résoudre les équations suivantes :

$3x - 7 = -10$	$12 = -2x - 3$	$\frac{1}{5} = -1 + 2x$	$\frac{2}{3}x = -4$
$2x - 3 = 5$	$2 - 3x = 7$	$2 + 6x = -7$	$4 = -2x + 3$
$\frac{2}{3}x = 5$			

Correction :

Exercice 1 : Résoudre les équations suivantes :

$3x - 7 = -10$ $x = -1$	$12 = -2x - 3$ $x = -\frac{15}{2}$	$\frac{1}{5} = -1 + 2x$ $x = 1$	$\frac{2}{3}x = -4$ $x = -6$
$2x - 3 = 5$ $x = 4$	$2 - 3x = 7$ $x = -\frac{5}{3}$	$2 + 6x = -7$ $x = -\frac{3}{2}$	$4 = -2x + 3$ $x = -\frac{1}{2}$
$\frac{2}{3}x = 5$ $x = \frac{15}{2}$			

Exercice 2 : Résoudre les équations suivantes :

$3x - 5 = 8x - 7$	$8 = -6x + 4$	$4x = -8x - 12$
$\frac{2}{5}x + 8 = 4$	$5x - 5 = 5x + 8$	$-7x + 8 = -2x + 5$
$-5x + 7 = 5x + 7$	$3x - 2 = 5x$	$2x - 5 = x - 2$
$3x - 5 = 5x + 8$	$2x - 2 = x - 1$	$-4 + x = -x + 4$
$3x - 5 = -6x$	$3x - 5 = 8$	$5x - 6 = 2x + 9$

Correction Exercice 2 :

$3x - 5 = 8x - 7$ $x = \frac{2}{5}$	$8 = -6x + 4$ $x = -\frac{2}{3}$	$4x = -8x - 12$ $x = -1$
$\frac{2}{5}x + 8 = 4$ $x = -10$	$5x - 5 = 5x + 8$ $x = \frac{13}{10}$	$-7x + 8 = -2x + 5$ $x = \frac{3}{5}$
$-5x + 7 = 5x + 7$ $x = 0$	$3x - 2 = 5x$ $x = -1$	$2x - 5 = x - 2$ $x = 3$
$3x - 5 = 5x + 8$ $x = -\frac{13}{2}$	$2x - 2 = x - 1$ $x = 1$	$-4 + x = -x + 4$ $x = 4$
$3x - 5 = -6x$ $x = \frac{5}{9}$	$3x - 5 = 8$ $x = \frac{13}{3}$	$5x - 6 = 2x + 9$ $x = 5$

Exercice 3 : Résoudre les équations suivantes :

$3x - 2 + 4x - 1 = 7x - 3 + 2x$	$5x - 2 = 3(x - 4)$	$4x - 2 = 3(2x - 1)$
$2x - 3(x + 4) = 2 - 2x$	$5x - 2(x - 1) = 5(2x - 1)$	$2x - 5 = 2(x - 1) + 2x$
$3(x - 4) - 2(x + 5) = 0$	$2x - 2 + 4(x - 1) = 0$	$2 - x = 3(x - 4) - 1$

Correction dernier exercice :

$3x - 2 + 4x - 1 = 7x - 3 + 2x$ $x = 0$	$5x - 2 = 3(x - 4)$ $x = -5$	$4x - 2 = 3(2x - 1)$ $x = \frac{1}{2}$
$2x - 3(x + 4) = 2 - 2x$ $x = 14$	$5x - 2(x - 1) = 5(2x - 1)$ $x = 1$	$2x - 5 = 2(x - 1) + 2x$ $x = -\frac{3}{2}$
$3(x - 4) - 2(x + 5) = 0$ $x = 22$	$2x - 2 + 4(x - 1) = 0$ $x = 1$	$2 - x = 3(x - 4) - 1$ $x = \frac{15}{4}$