$$2x + 4 = -3x + 7$$

$$2(x-3) = -(5x-4)$$



$$10x - 8 = x - 7$$

$$4 - (-5x + 9) = 3x + 2$$

2

Solution

1

Solution

$$2(x-3) = -(5x-4)$$

$$2x-6 = -5x+4$$

$$2x + 5x - 6 = 4$$

$$7x = 4+6$$

$$7x = 10$$

$$x = \frac{10}{7}$$

$$2x + 4 = -3x + 7$$

$$2x + 4 + 3x = +7$$

$$5x + 4 = +7$$

$$5x = 7 - 4$$

$$5x = 3$$

$$x = \frac{3}{5}$$

$$x = 0.6$$

Saluti

Solution

Solution

$$4 - (-5x + 9) = 3x + 2$$

$$4 + 5x - 9 = 3x + 2$$

$$5x - 5 = 3x + 2$$

$$5x - 3x - 5 = 2$$

$$2x = 2 + 5$$

$$2x = 7$$

$$x = \frac{7}{2}$$

$$10x - 8 = x - 7$$

$$10x - x = -7 + 8$$

$$9x = 1$$

$$x = \frac{1}{9}$$



6

Résoudre l'équation

$$6(x+7) = 5x + 4$$

$$12x + 6 = 6x + 4$$



Résoudre l'équation



$$8 - (-2x + 3) = x + 5$$

$$3x + 5 = 13x + 6$$





Solution

$$12x + 6 = 6x + 4$$

$$12x - 6x = 4 - 6$$

$$6x = -2$$

$$x = \frac{-2}{6}$$

$$x = -\frac{1}{3}$$

$$6(x + 7) = 5x + 4$$

$$6x + 42 = 5x + 4$$

$$6x - 5x = 4 - 42$$

$$x = -38$$

8

Solution



Solution

$$3x + 5 = 13x + 6$$

$$5 - 6 = 13x - 3x$$

$$-1 = 10x$$

$$\frac{-1}{10} = x$$

$$8 - (-2x + 3) = x + 5$$

$$8 + 2x - 3 = x + 5$$

$$5 + 2x = x + 5$$

$$-x + 2x = -5 + 5$$

$$x = 0$$

$$11x + 7 = 7x + 8$$

$$10x - 1 = 11$$

$$2(2x - 5) = -6x + 8$$

$$4 - (9x - 7) = -5x - 4$$

C 4

Solution

$$10x - 1 = 11$$

$$10x = 11 + 1$$

$$10x = 12$$

$$x = \frac{12}{10}$$

$$x = 1,2$$

$$11x + 7 = 7x + 8$$

$$11x - 7x = 8 - 7$$

$$4x = 1$$

$$x = \frac{1}{4}$$

$$x = 0,25$$

12 Solution

4 - (9x - 7) = -5x - 4 4 - 9x + 7 = -5x - 4 -9x + 11 + 5x = -4 -4x = -4 - 11 -4x = -15 $x = \frac{-15}{-4}$

x = 3,75

50lution

$$2(2x - 5) = -6x + 8$$

$$4x - 10 = -6x + 8$$

$$4x + 6x = +10 + 8$$

$$10x = 18$$

$$x = \frac{18}{10}$$

$$x = 1,8$$



$$9x^2 - 4 = 0$$

$$32x^2 + 4 = 8x(4x + 9)$$

$$(4x + 3)(2x + 5) = 8x^2$$

$$x^2 + 7x = 0$$



Solution

$$32x^{2} + 4 = 8x(4x + 9)$$

$$32x^{2} + 4 = 32x^{2} + 72x$$

$$32x^{2} - 32x^{2} + 4 = 72x$$

$$4 = 72x$$

$$x = \frac{4}{72}$$

$$x = \frac{1}{18}$$

$$9x^{2} - 4 = 0$$

$$9x^{2} = 4$$

$$x^{2} = \frac{4}{9}$$

$$x = \pm \sqrt{\frac{4}{9}}$$

$$x = \pm \frac{2}{3}$$

Solution

$$x^{2} + 7x = 0$$

$$x(x + 7) = 0$$
Soit $x = 0$ | Soit $x + 7 = 0$

$$x = -7$$
Les solutions sont -7 et 0 .

Solution

$$(4x + 3)(2x + 5) = 8x^{2}$$

$$8x^{2} + 20x + 6x + 15 = 8x^{2}$$

$$26x + 15 = 8x^{2} - 8x^{2}$$

$$26x = -15$$

$$x = \frac{-15}{26}$$

$$(x+13)(x-11) = 0$$

$$(x-1)(x+17) = 0$$

Résoudre l'équation

$$(2x + 4)(x + 9) = 0$$

$$(x - 10)(3x + 9) = 0$$



$$(x-1)(x+17)=0$$

• Soit
$$x - 1 = 0$$

 $x = 1$

• Soit
$$x + 17 = 0$$

 $x = -17$

Les solutions sont -17 et 1.



Solution

$$(x - 10)(3x + 9) = 0$$

• Soit
$$x - 10 = 0$$

 $x = 10$

• Soit
$$3x + 9 = 0$$

 $3x = -9$
 $x = \frac{-9}{3} = -3$

Les solutions sont 10 et -3.



Solution

$$(x+13)(x-11)=0$$

• Soit
$$x + 13 = 0$$

 $x = -13$

• Soit
$$x - 11 = 0$$

 $x = 11$

Les solutions sont -13 et 11.



Solution

$$(2x + 4)(x + 9) = 0$$

• Soit
$$2x + 4 = 0$$

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

• Soit
$$x + 9 = 0$$

 $x = -9$

Les solutions sont -9 et -2.