Find the product.

$$6(3x+5)$$

$18x + 30$

Find the product.

$$-5(2x-1)$$

$-10x+5$

Find the product.

$1(4x-9)$

$4x-9$

Find the product.

$$-(6x-2)$$

$-6x+2$

Remove the brackets and Simplify.

$$(12x-1)+(9x-7)$$

Remove the brackets and Simplify.

$1(12x-1)-(9x-7)$

$12x-1-9x+7$

$3x+6$

Remove the brackets and Simplify.

$$1(12x^5y^7-1x^2)-(2x^5y^7+11x^2)$$

$12x^5y^7 - 1x^2 - 2x^5y^7 - 11x^2$

$10x^5y^7 - 12x^2$

Divide

$$\frac{16x^5y^7 - 24x^6y^4 + 20x^2y}{4x^2y}$$

$$\frac{16x^5y^7}{4x^2y} - \frac{24x^6y^4}{4x^2y} + \frac{20x^2y}{4x^2y}$$

$$4x^3y^6 - 6x^4y^3 + 5x^0y^0$$

$$4x^3y^6 - 6x^4y^3 + 5$$

Solve for x:

$$3x - 16 = -8x + 83$$

$$3x + 8x = 83 + 16$$

$$\frac{11x}{11} = \frac{99}{11}$$

$$x = 9$$

Solve for x:

$$5(2x-4) = -6(x+1)$$

$$10x - 20 = -6x - 6$$

$$10x + 6x = -6 + 20$$

$$\frac{16x}{16} = \frac{14}{16}$$

$$x = \frac{14}{16} = \frac{7}{8}$$

Solve for x:

$$2(4x-1) < 3(x+1)$$

$$8x - 2 < 3x + 3$$

$$8x - 3x < 3 + 2$$

$$\frac{5x}{5} < \frac{5}{5}$$

$$x < 1$$

Solve for x:

$$-6(x-5) < 2(-8+7x)$$

$$-6x+30 < -16+14x$$

$$-6x-14x < -16-30$$

$$\frac{-20x}{-20} < \frac{-46}{-20}$$

$$x > \frac{46}{20}$$

$$x > \frac{23}{10}$$