

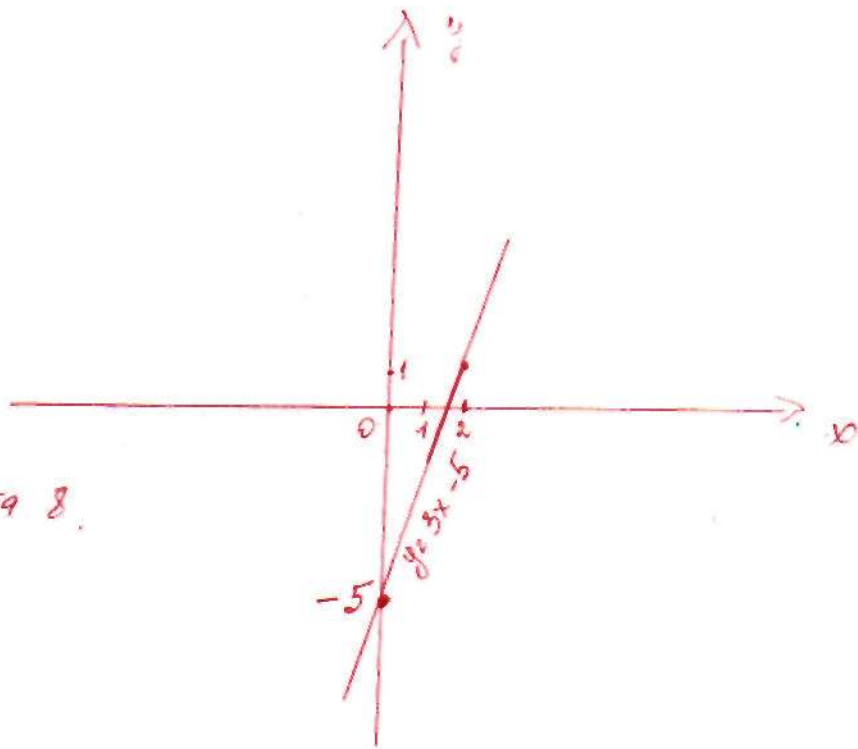
$$1) y = 3x - 5 \quad \begin{array}{c|c|c} x & 0 & 2 \\ \hline y & -5 & 1 \end{array}$$

$$y = 19$$

$$19 = 3x - 5$$

$$3x = 24$$

$$x = 8$$



Ответ: значение аргумента 8.

$$2) 3xy - 3x - (x - 3xy) = \\ = 3xy - 3x - x + 3xy = 6xy - 4x$$

$$3) (5a - 2)^2 = 25a^2 - 20a + 4$$

$$4) (3a - 5b) \cdot (3a + 5b) = 9a^2 - 25b^2$$

$$5) ax - ay + 5x - 5y = a(x - y) + 5(x - y) = (x - y) \cdot (5 + a)$$

$$6) a) \frac{28x^6 y^8 z^3}{36x^7 y^8 z} = \frac{4x^6 y^8 z (7z^2)}{4x^6 y^8 z (9x)} = \frac{7z^2}{9x}$$

$$б) \frac{y^2 - 9x^2}{18x^2 - 6xy} = \frac{(y - 3x) \cdot (y + 3x)}{-6x(y - 3x)} = -\frac{y + 3x}{6x}$$

$$7) 4(2 - 3x) + 7(6x + 1) - 9(9x + 4) = 30$$

$$8 - 12x + 54x + 7 - 81x - 36 = 30$$

$$-12x + 54x - 81x = 36 - 7 - 8 + 30$$

$$-39x = 21 + 30$$

$$x = -\frac{51}{39} = -\frac{17}{13} = -1\frac{4}{13}$$

$$x = -\frac{21}{39} - \frac{7}{13}$$

$$8) 24 - 2 \cdot (5x + 4) = 6$$

$$24 - 10x - 8 = 6$$

$$-10x = 6 - 8 - 24$$

$$-10x = -26$$

$$x = 2,6$$

$$3) (x - 8) \cdot (15 - 3x) = 0$$

$$15x - 3x^2 - 120 + 24x = 0$$

$$-3x^2 + 39x - 120 = 0$$

$$x^2 - 13x + 40 = 0$$

$$x^2 - 8x - 5x + 40 = 0$$

$$x(x - 8) - 5(x - 8) = 0$$

$$(x - 8) \cdot (x - 5) = 0$$

$$x - 8 = 0 \quad x - 5 = 0$$