

Сократи дробь:

$$1) \frac{5 + 40}{10}$$

$$\frac{9}{2}$$

$$2) \frac{3 \cdot 28}{14 \cdot 9}$$

$$\frac{2}{3}$$

$$3) \frac{25 \cdot 4 + 25 \cdot 6}{25 \cdot 9 - 25 \cdot 4}$$

$$4) \frac{5^6}{5^7}$$

$$\frac{1}{5}$$

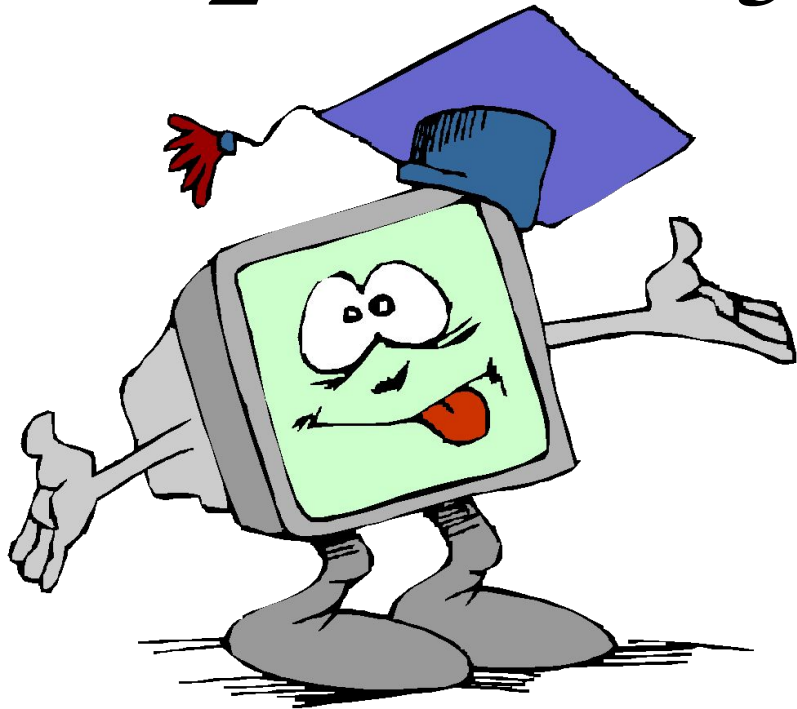
$$2$$

$$5) \frac{x^9}{x^5}$$

$$x^4$$

$$6) \frac{12ab}{18a^2}$$

$$\frac{2b}{3a}$$



Сократи дробь:

$$\frac{2b(m+n)}{6bc(m+n)}$$
$$\frac{1}{3c}$$

$$\frac{2(m-n)}{a(n-m)}$$
$$-\frac{2}{a}$$

$$\frac{(y-8)^{10}}{(y-8)^8}$$
$$(y-8^2)$$

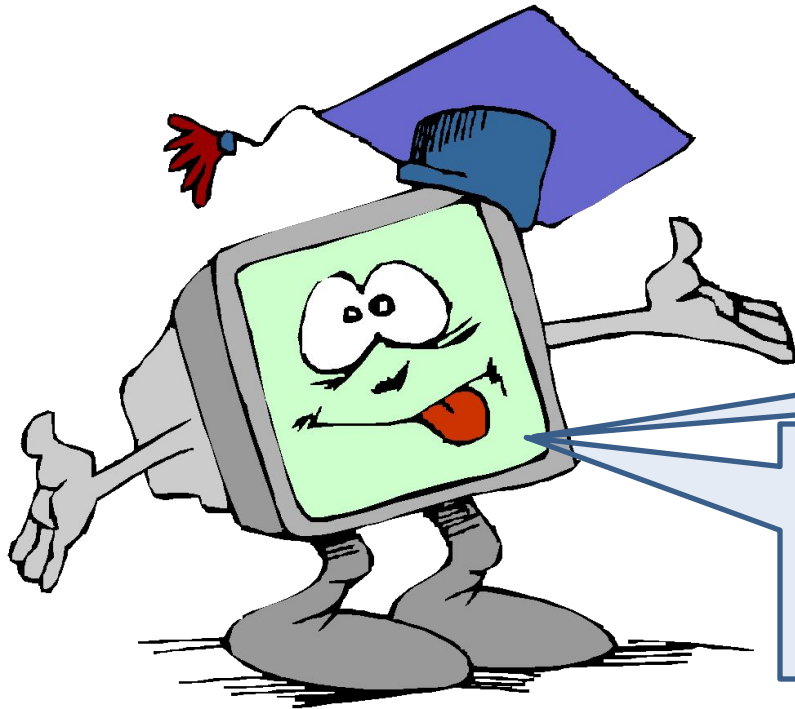
$$\frac{s^2 + s}{5s + 5}$$
$$\frac{s}{5}$$

$$\frac{36 - y^2}{6 - y}$$
$$6 + y$$

ТОЖДЕСТВ

О

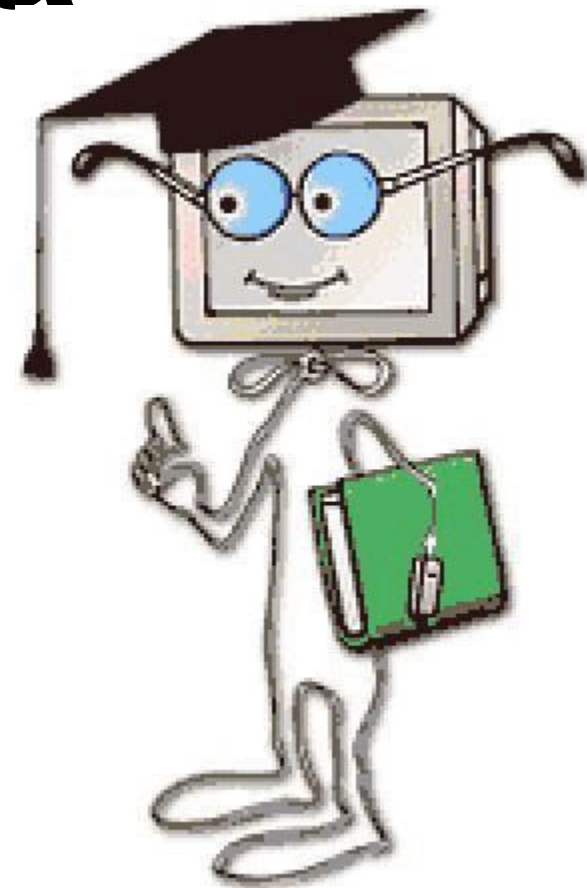
$$\frac{(m-n)^2}{m^2 - n^2} = \frac{m-n}{m+n}$$



ТОЖДЕСТВА

Алгебра - 7

§ 36.



36.1 — 36.5 (устн

36.6. а) $x - y = -(y - x)$

$-(y - x) = -y + x = +x - y$

б) $(m - n)^2 = (n - m)^2$

$(m - n)^2 = m^2 - 2mn + n^2$

$= n^2 - 2mn + m^2 = (n - m)^2$

$$36.7. \text{ a) } 10a - (-(5a + 20)) = 5(3a + 4)$$

$$10a - (-(5a + 20)) = 10a - (-5a - 20)$$

$$= 10a + 5a + 20 = 15a + 20$$

$$= 5(a + 4)$$

$$\text{б) } -(-7x) - (6 + 5x) = 2(x - 3):$$

$$-(-7x) - (6 + 5x) = \underline{7x} - 6 - \underline{5x}$$

$$= 2x - 6 = 2(x - 3)$$

$$\mathbf{36.8. a) } a^2 + 7a + 10 = (a + 2)(a + 5);$$

$$(a + 2)(a + 5) = a^2 + \underline{5a} + \underline{2a} + 10 =$$

$$a^2 + 7a + 10 \blacksquare$$

$$\circ \mathbf{36.10. a) } (a + b)^2 + (a - b)^2 = 2(a^2 + b^2)$$

$$(a + b)^2 + (a - b)^2 = a^2 + \cancel{2ab} + b^2 +$$

$$+ a^2 - \cancel{2ab} + b^2 = 2a^2 + 2b^2 =$$

$$= 2(a^2 + b^2) \blacksquare$$

Самостоятельная работа

• 35.27 – 35.29

• 35.39

• 35.41

• 35.42

Дома:

№35.6 – 35.8

(в, г)

Варианты а, б, в, г.