

$$1) \frac{2 \cdot 10^8 \cdot 3^4}{3 \cdot 15 \cdot 6^3} = \frac{2 \cdot 4}{3 \cdot 3} \quad 2) \text{ODZ: } \begin{matrix} x \neq 0 \\ 2x+5 \neq 0 \\ x \neq -2,5 \end{matrix} \quad x \in (-\infty; -2,5) \cup (0; +\infty)$$

$$3) \frac{3m-n}{(3m-n)^2} = \frac{1}{3m-n} = \frac{1}{3 \cdot 5 - 10} = \frac{1}{5} = 0,2$$

$$4) \frac{29-1+59}{56} = \frac{79-1}{56} \quad \frac{3-2(x+1)}{(x-1)(x+1)} = \frac{3-2x-2}{(x-1)(x+1)} = \frac{1-2x}{(x-1)(x+1)}$$

$$5) \frac{(x+4) \cdot 3(x-3) \cdot 4(x+4)}{(x-3) \cdot (x+4)^2 \cdot 15} = \frac{4}{5}$$

$$6) \frac{3 \cdot (2x-1)(2x+1)}{(2x-1) \cdot (3x-1)} = \frac{6x+3}{(3x-1)} - \frac{6}{3x-1} = \frac{6x-3}{3x-1} = \frac{3(2x-1)}{3x-1}$$

$$\frac{3(2x-1) \cdot 3}{(3x-1) \cdot (2x-1)} = \frac{9 + 3x - 10}{3x-1} = \frac{3x-1}{3x-1} = 1$$