

Simplify:

① $\frac{30bc}{12b^2}$

② $\frac{-3mn^4}{21m^2n^2}$

③ $\frac{(-3x^2y)^3}{9x^2y^2}$

④ $\frac{(-2rs^2)^2}{12r^2s^3}$

⑤ $\frac{5t - 5}{t^2 - 1}$

⑥ $\frac{c + 5}{2c + 10}$

⑦ $\frac{y^2 + 4y + 4}{3y^2 + 5y - 2}$

⑧ $\frac{a^2 + 2a + 1}{2a^2 + 3a + 1}$

⑨ $\frac{3xyz}{4xz} \cdot \frac{6x^2}{3y^2}$

⑩ $\frac{-4ab}{21c} \cdot \frac{14c^2}{18a^2}$

⑪ $\frac{4t^2 - 4}{9(t + 1)^2} \cdot \frac{3t + 3}{2t - 2}$

⑫ $\frac{5x^2 + 10x - 75}{4x^2 - 24x - 28} \cdot \frac{2x^2 - 10x - 28}{x^2 + 7x + 10}$

⑬ $\frac{r^2 + 2r - 8}{r^2 + 4r + 3} \div \frac{r - 2}{3r + 3}$

$$(14) \quad \frac{3p - 21}{p^2 - 49} \cdot \frac{p^2 + 7p}{3p}$$

$$(15) \quad \frac{w^2 - 11w + 24}{w^2 - 18w + 80} \cdot \frac{w^2 - 15w + 50}{w^2 - 9w + 20}$$

$$(16) \quad \frac{a^2 + 2a - 15}{a - 3} \div \frac{a^2 - 4}{2}$$

$$(17) \quad \frac{x + 3y}{25x^3} + \frac{4x - 2y}{25x^3}$$

$$(18) \quad \frac{6}{x - 4} - \frac{6x}{x - 6}$$

$$(19) \quad \frac{5}{x^2 - 3x - 28} + \frac{7}{2x - 14}$$

$$(20) \quad \frac{x}{x^2 + 5x + 6} - \frac{2}{x^2 + 4x + 4}$$