

11.2 Homework

Simplify these fractions

$$1) \frac{\frac{1}{2}}{\frac{3}{3}}$$

$$2) \frac{\frac{3}{5}}{\frac{4}{7}}$$

$$3) \frac{\frac{2}{y}}{\frac{1}{x}}$$

Multiply or divide these fractions. Make sure to remove like factors.

$$4) \frac{3}{x^2} \cdot \frac{-4}{x}$$

$$5) \frac{x+2}{x+3} \cdot \frac{3x}{x^2+x-2}$$

$$6) \frac{x-1}{x+4} \div \frac{x+3}{x+4}$$

$$7) \frac{x^2-7x+12}{x+1} \div \frac{x^2+3x-18}{x^2+3x+2}$$