

12-04-17-T7 Rational Expressions

Simplify each expression.

$$1) \frac{3}{4xy^2} + \frac{8x}{4}$$

$$2) \frac{5a}{4} + \frac{7}{2ab}$$

$$3) \frac{4b}{5b} + \frac{8}{7b}$$

$$4) \frac{3}{6xy} + \frac{6x}{7xy}$$

$$5) \frac{m+4n}{3} + \frac{8}{8m^2}$$

$$6) \frac{6y}{3y} - \frac{2x}{2}$$

$$7) \frac{5m}{5} - \frac{4}{6n}$$

$$8) \frac{5}{6x^2} + \frac{2x}{5y}$$

$$9) \frac{2x}{6x^2} + \frac{6y}{7y^2}$$

$$10) \frac{2y}{5x} + \frac{6x}{4y^2}$$

$$11) \frac{5}{8xy} + \frac{8}{4xy^2}$$

$$12) \frac{3v}{4v^2} - \frac{4}{8v^2}$$

Answers to 12-04-17-T7 Rational Expressions

$$1) \frac{8x^2y^2 + 3}{4xy^2}$$

$$2) \frac{5a^2b + 14}{4ab}$$

$$3) \frac{28b + 40}{35b}$$

$$4) \frac{7 + 12x}{14xy}$$

$$5) \frac{m^3 + 4m^2n + 3}{3m^2}$$

$$6) 2 - x$$

$$7) \frac{3mn - 2}{3n}$$

$$8) \frac{25y + 12x^3}{30x^2y}$$

$$9) \frac{7y + 18x}{21xy}$$

$$10) \frac{4y^3 + 15x^2}{10xy^2}$$

$$11) \frac{5y + 16}{8xy^2}$$

$$12) \frac{3v - 2}{4v^2}$$