

Name: _____

Dividing Rational Expressions Practice Problems

$$1) \frac{5}{4} \div \frac{3x^2}{5x}$$

$$2) \frac{5x^2}{2x^3} \div \frac{4}{3x}$$

$$3) \frac{6x+30}{8x+40} \div \frac{3}{3x}$$

$$4) \frac{x+6}{x^2-12x+35} \div \frac{1}{x-7}$$

$$5) \frac{x-1}{x^2-3x+2} \div \frac{1}{x^2+8x-20}$$

$$6) \frac{5}{5x+40} \div \frac{1}{x-10}$$

$$7) \frac{10x+50}{x+4} \div \frac{x+5}{x+4}$$

$$8) \frac{1}{7x^2} \div \frac{x-2}{7x^3+7x^2}$$

$$9) \frac{6}{x+2} \div \frac{6}{6x+12}$$

$$10. \frac{2}{4} \div \frac{4}{5x}$$

Dividing Rational Expressions Practice Problems Answers

1) $\frac{25}{12x}$

2) $\frac{15}{8}$

3) $\frac{3x}{4}$

4) $\frac{x+6}{x-5}$

5) $x + 10$

6) $\frac{x-10}{x+8}$

7) 10

8) $\frac{x+1}{x-2}$

9) 6

10) $\frac{5x}{8}$