



Dividing Rational Expressions

Divide.

$$1) \frac{12x}{3} \div \frac{5}{8} =$$

$$2) \frac{10x^2}{7} \div \frac{3x}{12} =$$

$$3) \frac{12x}{3} \div \frac{5}{8} =$$

$$4) \frac{9x}{x+5} \div \frac{9x}{2x+10} =$$

$$5) \frac{x^2}{9} \div \frac{3}{18x} =$$

$$6) \frac{11x}{x-7} \div \frac{11x}{12x-84} =$$

$$7) \frac{x+5}{5x^2-10x} \div \frac{1}{5x} =$$

$$8) \frac{x-2}{7x-12} \div \frac{x}{x+3} =$$

$$9) \frac{5x}{x-10} \div \frac{5x}{x-5} =$$

$$10) \frac{1}{2x} \div \frac{8x}{2x^2+16x} =$$

$$11) \frac{x^2+10x+16}{x^2+6x+8} \div \frac{1}{x+4} =$$

$$12) \frac{x^2-2x-15}{8x+20} \div \frac{2}{4x+10} =$$

$$13) \frac{x-4}{x^2-2x-8} \div \frac{1}{x-5} =$$

$$14) \frac{8+2x-x^2}{x^2-2x-8} \div \frac{4x}{x+6} =$$

$$15) \frac{x+10}{9x^2-90x} \div \frac{1}{9x} =$$

$$16) \frac{x-2}{x+6x-16} \div \frac{11x}{x+9} =$$

$$17) \frac{x^2-x-12}{8x+2} \div \frac{4}{4x+1} =$$

$$18) \frac{x-7}{-x^2+10x-21} \div \frac{1}{x-3} =$$

$$19) \frac{3x}{x-5} \div \frac{3x}{10x-50} =$$

$$20) \frac{x+5}{x+13x+40} \div \frac{4x}{x+9} =$$

$$21) \frac{x+4}{x+14x+40} \div \frac{6x}{x+9} =$$

$$22) \frac{14x+12}{3} \div \frac{63x+54}{3x} =$$

$$23) \frac{7x^3+49x^2}{x^2+12x+35} \div \frac{2}{2x^3-12x^2} =$$

$$24) \frac{x^2+10x+16}{x^2+6x+8} \div \frac{1}{x+8} =$$