
Name _____

Period _____

Dividing Rational Expressions

Simplify each expression.

1) $\frac{10n}{9} \div \frac{13n^2}{16}$

2) $\frac{16n}{17} \div \frac{8n}{6}$

3) $\frac{2}{7} \div \frac{18}{8x^2}$

4) $\frac{12}{7} \div \frac{4}{11r}$

5) $\frac{7}{18} \div \frac{6}{9a}$

6) $\frac{5}{20} \div \frac{5x}{3}$

7) $\frac{4n}{n-6} \div \frac{4n}{8n-48}$

8) $\frac{3}{28b} \div \frac{3}{b+1}$

9) $\frac{7a^2}{7a^3+56a^2} \div \frac{2}{a^2+7a-8}$

10) $\frac{6}{28x+4} \div \frac{6}{35x+5}$

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

12) $\frac{49x+21}{6x} \div \frac{42x+18}{6}$