

Review Rational Fractions - all operations!

Simplify each expression.

1) $\frac{1}{p-2} \cdot \frac{p^2 - 4p + 4}{p-2}$

2) $\frac{n+3}{(n-2)^2} \cdot \frac{(n-2)(n+2)}{n+2}$

3) $\frac{7n}{7} \cdot \frac{7}{5n^3}$

4) $\frac{6a^5}{8} \div \frac{7}{8a}$

5) $\frac{8n^2(3n+1)}{8n^2} \div \frac{4(3n+1)}{n-1}$

6) $\frac{9x-63}{9} \div \frac{x^2-15x+56}{x+5}$

7) $\frac{p+3}{p^2+p-30} + \frac{p-2}{p^2+p-30}$

8) $\frac{4n}{n+3} + \frac{4}{6}$

9) $\frac{2}{r+1} + \frac{2}{r+3}$

10) $\frac{5n}{(n+2)(n+5)} - \frac{n+5}{(n+2)(n+5)}$

11) $\frac{3n}{3n-1} - \frac{2}{n+3}$

12) $\frac{4y}{6x} - \frac{6}{3}$