

Simplifying Rational Expressions

Date _____ Period _____

Simplify each and state the excluded values.

1) $\frac{15r^2}{15r}$

2) $\frac{12p^4}{12p^3}$

3) $\frac{9n^4}{6n^3}$

4) $\frac{3}{2k}$

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

6) $\frac{v-1}{v^2-1}$

7) $\frac{5n+5}{n+1}$

8) $\frac{2p^2+6p}{p+3}$

9) $\frac{v^2-7v+12}{v^2-2v-3}$

10) $\frac{n^2-7n+12}{2n-6}$

11) $\frac{25x^2-15x}{25x^2+25x}$

12) $\frac{3n^2-14n+15}{2n^2-8n+6}$