

Simplifying Rational Expressions
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Simplify. Assume that no denominator equals zero. Answers

1. $\frac{x+3}{x^2+8x+15}$

1. $\frac{1}{x+5}$

2. $\frac{k-2}{k^2-9k+14}$

2. $\frac{1}{k-7}$

3. $\frac{2z+18}{z^2+8z-9}$

3. $\frac{2}{z-1}$

4. $\frac{4n^2+10n+4}{4n+2}$

4. $n+2$

5. $\frac{x^2-9}{x^2-5x+6}$

5. $\frac{x+3}{x-2}$

6. $\frac{15p^2-4p-3}{3p-1}$

6. $\frac{(3p+1)(5p-3)}{3p-1}$

7. $\frac{x^3+1}{x^2-x+1}$

7. $x+1$

8. $\frac{m^2+4m-32}{mn-4m+8n-32}$

8. $\frac{m-4}{n-4}$

9. $\frac{6d^2-3}{6d^2+5d-4}$

9. $\frac{3}{3d+4}$

10. $\frac{p^2-13p+40}{2p^2-50}$

10. $\frac{p-8}{2(p+5)}$

Please visit the Learning Lab for further assistance.