

Name: _____
Algebra 1Date: _____
Band: _____**Unit 10: Rational Expressions PBA Practice****Simplify.**

1. $\frac{4x+12}{x^2-2x} \cdot \frac{x}{6x+18}$

2. $\frac{a^2+5a+4}{a^3} \div \frac{a^2+3a+2}{a^2-2a}$

3. $\frac{x^2+13x+40}{x-7} \div \frac{x+8}{x^2-49}$

4. $\frac{6}{7x} + \frac{1}{4}$

5. $\frac{k-2}{k^2+2k-8}$

6. $\frac{9}{3x-1} - \frac{5x}{2x+3}$

$$7. \frac{6x^2 - 24}{x + 2}$$

$$8. \frac{4c}{2c+2} \cdot \frac{c^2+3c+2}{c-1}$$

$$9. \frac{9-x^2}{x^2+x-12}$$

$$10. \frac{7}{3a} + \frac{2}{5}$$

$$11. \frac{4}{x} - \frac{2}{3}$$

$$12. \frac{27}{n^3} - \frac{9}{7n^2}$$