

Accelerated Geom/Alg 2
Adding and Subtracting Rational Expressions HW

Name _____

Date _____ Block _____

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

1. _____

2. $\frac{4}{x} - \frac{2}{x^2} + \frac{4}{x+3}$

2. _____

3. $\frac{x}{x^2-9} + \frac{3}{x(x-3)}$

3. _____

4. $\frac{1}{3} + \frac{3}{x} - \frac{4}{x^2}$

4. _____

5. $\frac{x}{3x-12} + \frac{3x+1}{x^2-x-12} - \frac{2}{3}$

5. _____

$$6. \frac{2x+1}{x^2+4x+4} - \frac{6x}{x^2-4} + \frac{3}{x-2}$$

6. _____

$$7. \frac{\frac{1}{3x} - \frac{4}{x+2}}{\frac{x}{x+2} - \frac{1}{x}}$$

7. _____

$$8. \frac{\frac{1}{x+9} + \frac{1}{5}}{\frac{2}{x^2+10x+9}}$$

8. _____

$$9. \frac{\frac{2}{4x+12}}{\frac{4}{2x+6} + \frac{1}{x+3}}$$

9. _____