

Adding/Subtracting Rational Expressions

Class: _____ Period: _____

Simplify each expression.

1) $\frac{a+1}{3a} + \frac{2a+1}{3a}$

2) $\frac{a+1}{3a+2} - \frac{a+1}{3a+2}$

3) $\frac{2}{x^2+3x+2} + \frac{3x+1}{x^2+3x+2}$

4) $\frac{2}{3a^2+3a+2} + \frac{a+2}{3a^2+3a+2}$

5) $\frac{a+2}{3a+2} + \frac{a+2}{3a+2}$

6) $\frac{a+2}{2a^2+3a+2} - \frac{a+2}{2a^2+3a+2}$

7) $\frac{2}{a+2} - \frac{2}{2}$

8) $2 - \frac{a+2}{(2a+3)(a+2)}$

9) $\frac{2}{a+2} + \frac{2}{a+2}$

10) $\frac{2}{2a^2+3a} + \frac{2}{2}$

11) $\frac{2}{2} + \frac{2}{(2a+2)}$

12) $\frac{2}{a+2} + \frac{2a}{2a+2}$

13) $\frac{2a}{3a+2} + \frac{2a}{3a+2}$

14) $\frac{2}{2a^2+3a} + \frac{2}{2a}$