

Unit 3 Assignment 5 - Add and Subtract #2

Date _____ Period _____

Simplify each expression.

1) $\frac{n-2}{9n-27} + \frac{n-6}{9n-27}$

2) $\frac{r+1}{5r^2+26r+5} + \frac{4r+2}{5r^2+26r+5}$

3) $\frac{5}{6k^2+12k} - \frac{k+6}{6k^2+12k}$

4) $\frac{v-4}{30v^3+30v^2} - \frac{v+1}{30v^3+30v^2}$

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

6) $\frac{6}{5n} + \frac{n-6}{3n+5}$

7) $\frac{2b}{3b} - \frac{5b}{6b+10}$

8) $\frac{6}{3a} - \frac{2a+1}{2a^2+8a}$

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

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

11) $\frac{6}{x+1} - \frac{4}{x+4}$

12) $\frac{2}{2b-4} - \frac{4}{b-5}$

13) $\frac{5}{3n^2-18n} + \frac{3}{n-6}$

14) $\frac{5}{x-5} - \frac{5}{x+2}$

15) $6 + \frac{3n}{n^2+4n+3}$

16) $\frac{4r}{6r} - \frac{r+2}{r+6}$

17) $\frac{4}{v-3} + \frac{2}{v-1}$

18) $\frac{3x}{3} - \frac{4x-6}{x^2+4x+4}$

19) $\frac{4p}{p-2} + \frac{3p}{2p+6}$

20) $\frac{6k}{4} + \frac{k+1}{k^2-2k-15}$