

Unit 4 Day 10 Warm Up

Simplify each expression.

1) $\frac{2n}{2} - \frac{6n+1}{3n-1}$

2) $\frac{2n}{3} - \frac{n-3}{3n-9}$

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

4) $\frac{4}{2} + \frac{6m+2}{2m-6}$

5) $\frac{3}{m+4} + \frac{6}{m+1}$

6) $\frac{6}{5x-6} - \frac{6}{x-3}$

7) $\frac{6n}{n+5} - \frac{5n}{2n+5}$

8) $\frac{6p}{p+5} - \frac{3p}{5p-3}$

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Simplify each expression.

$$1) \frac{2n}{2} - \frac{6n+1}{3n-1}$$

$$\frac{3n^2 - 7n - 1}{3n - 1}$$

$$2) \frac{2n}{3} - \frac{n-3}{3n-9}$$

$$\frac{2n-1}{3}$$

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

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

$$4) \frac{4}{2} + \frac{6m+2}{2m-6}$$

$$\frac{5m-5}{m-3}$$

$$5) \frac{3}{m+4} + \frac{6}{m+1}$$

$$\frac{9m+27}{(m+4)(m+1)}$$

$$6) \frac{6}{5x-6} - \frac{6}{x-3}$$

$$\frac{-24x+18}{(x-3)(5x-6)}$$

$$7) \frac{6n}{n+5} - \frac{5n}{2n+5}$$

$$\frac{7n^2+5n}{(n+5)(2n+5)}$$

$$8) \frac{6p}{p+5} - \frac{3p}{5p-3}$$

$$\frac{27p^2-33p}{(5p-3)(p+5)}$$