

Name : _____

Simplifying Expressions

Add/Sub: MS2

Simplify each expression.

1) $\frac{3}{n} - \frac{4}{n+5}$

2) $\frac{-8}{a^2 + 2a - 15} + \frac{1}{a - 3}$

3) $\frac{3}{z} - \frac{1}{2z - 1}$

5) $\frac{8}{p+7} + \frac{1}{p+}$

7) $\frac{5}{y+1} - \frac{2}{y-1}$

8) $\frac{12q}{q^2 + 6q - 16} - \frac{5}{q - 2}$

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$\frac{1}{1}$

$\frac{1}{1}$

Name : _____

Answer key

Add/Sub: MS2

Simplifying Expressions

Simplify each expression.

1) $\frac{3}{n} - \frac{4}{n+5}$

$\frac{-n + 15}{n(n + 5)}$

2) $\frac{-8}{a^2 + 2a - 15} + \frac{1}{a - 3}$

$\frac{1}{a + 5}$

3) $\frac{3}{z} - \frac{1}{2z - 1}$

$\frac{5z - 3}{z(2z - 1)}$

5) $\frac{8}{p+7} + \frac{1}{p+3}$

$\frac{9p + 31}{(p + 7)(p + 3)}$

7) $\frac{5}{y+1} - \frac{2}{y-1}$

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

8) $\frac{12q}{q^2 + 6q - 16} - \frac{5}{q - 2}$

$\frac{7q - 40}{(q - 2)(q + 8)}$

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