

Name : _____

Simplifying Expressions

Add/Sub: ES5

Simplify each expression.

1) $\frac{q^2}{q+5} - \frac{25}{q+5}$

2) $\frac{7x}{x^5} + \frac{3x}{x^5}$

3) $\frac{v}{v-2} - \frac{4v}{v-2}$

5) $\frac{4m}{16} + \frac{20}{16}$

7) $\frac{2(3z+1)}{(z+3)(z-4)} + \frac{z}{(z+3)(z-4)}$

8) $\frac{n^2+9n}{n+2} + \frac{14}{n+2}$

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Name : _____

Answer key

Add/Sub: ES5

Simplifying Expressions

Simplify each expression.

1) $\frac{q^2}{q+5} - \frac{25}{q+5}$

$q - 5$

2) $\frac{7x}{x^5} + \frac{3x}{x^5}$

$\frac{10}{x^4}$

3) $\frac{v}{v-2} - \frac{4v}{v-2}$

$\frac{-3v}{v-2}$

5) $\frac{4m}{16} + \frac{20}{16}$

$\frac{m+5}{4}$

7) $\frac{2(3z+1)}{(z+3)(z-4)} + \frac{z}{(z+3)(z-4)}$

$\frac{7z+2}{(z+3)(z-4)}$

8) $\frac{n^2+9n}{n+2} + \frac{14}{n+2}$

$n+7$

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