

Name : _____

Simplifying Expressions

Add/Sub: ES2

Simplify each expression.

1) $\frac{8}{5s^4} + \frac{2}{5s^4}$

2) $\frac{15n^2}{2} - \frac{5n^2}{2}$

3) $\frac{7k}{k^3} - \frac{3}{k^3}$

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

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

6) $\frac{1}{5}$

7) $\frac{6}{4-q} - \frac{7}{4-q}$

8) $\frac{2(u+2)}{(u+2)(u+5)} + \frac{u+2}{(u+2)(u+5)}$

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Name : _____

Answer key

Add/Sub: ES2

Simplifying Expressions

Simplify each expression.

1) $\frac{8}{5s^4} + \frac{2}{5s^4}$

$\frac{2}{s^4}$

2) $\frac{15n^2}{2} - \frac{5n^2}{2}$

$5n^2$

3) $\frac{7k}{k^3} - \frac{3}{k^3}$

$\frac{7k-3}{k^3}$

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

$\frac{z-1}{z+1}$

7) $\frac{6}{4-q} - \frac{7}{4-q}$

$\frac{-1}{4-q}$

8) $\frac{2(u+2)}{(u+2)(u+5)} + \frac{u+2}{(u+2)(u+5)}$

$\frac{3}{u+5}$

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