

Name : \_\_\_\_\_

## Simplifying Expressions

Add/Sub: ES3

Simplify each expression.

1)  $\frac{14}{2-v} - \frac{3}{2-v}$

2)  $\frac{9}{6d^2} + \frac{3}{6d^2}$

3)  $\frac{2x}{14} + \frac{18}{14}$

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5)  $\frac{5}{2s^5} - \frac{1}{2s^5}$

6)  $\frac{2q}{(q+2)(q-2)}$

7)  $\frac{a^2-12}{a+3} - \frac{a}{a+3}$

8)  $\frac{2k}{9} + \frac{7k}{9}$

Name : \_\_\_\_\_

## Answer key

Add/Sub: ES3

### Simplifying Expressions

Simplify each expression.

1)  $\frac{14}{2-v} - \frac{3}{2-v}$

$\frac{11}{2-v}$

2)  $\frac{9}{6d^2} + \frac{3}{6d^2}$

$\frac{2}{d^2}$

3)  $\frac{2x}{14} + \frac{18}{14}$

$\frac{x+9}{7}$

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5)  $\frac{5}{2s^5} - \frac{1}{2s^5}$

$\frac{2}{s^5}$

7)  $\frac{a^2 - 12}{a + 3} - \frac{a}{a + 3}$

$a - 4$

8)  $\frac{2k}{9} + \frac{7k}{9}$

$k$

$+$   $\frac{2q}{(q+2)(q-2)}$