

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

## Simplifying Linear Expressions

MS2

Simplify each expression.

1)  $\frac{11}{2}\left(2t - \frac{4}{11} + 6t - \frac{6}{33} + 8t\right)$

2)  $4(2x + 3 - 5x) + 2(3x - 4)$

3)  $5d + \frac{5}{2} - 3d - 2$

$4 + 3n - 4)$

5)  $2\left(\frac{7}{2}r - 15 + 2\right)$

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$6(b + 10) - 7b - 7$

7)  $(z - 4)(-2) + 7$

$- 3) + 3(2p - 2 + 3p)$

9)  $3\left(\frac{2}{3}c + \frac{5}{3} - 5c - \frac{2}{3}\right) + 9c - 4$

10)  $5(2y - 3) - 10(5y - 4) + 2(7y + 3)$

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## Answer key

### Simplifying Linear Expressions

MS2

Simplify each expression.

1)  $\frac{11}{2}\left(2t - \frac{4}{11} + 6t - \frac{6}{33} + 8t\right)$

**88t - 3**

2)  $4(2x + 3 - 5x) + 2(3x - 4)$

**-6x + 4**

3)  $5d + \frac{5}{2} - 3d - 2$

**4d + 4**

$4 + 3n - 4)$

5)  $2\left(\frac{7}{2}r - 15 + 2\right)$

**25r - 37**

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$(b + 10) - 7b - 7$

7)  $(z - 4)(-2) + 7z$

**40z + 29**

$-3) + 3(2p - 2 + 3p)$

9)  $3\left(\frac{2}{3}c + \frac{5}{3} - 5c - \frac{2}{3}\right) + 9c - 4$

**-4c - 1**

10)  $5(2y - 3) - 10(5y - 4) + 2(7y + 3)$

**-26y + 31**

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