

Name : _____

Simplifying Linear Expressions

MS3

Simplify each expression.

1) $\frac{8}{3}x - 5 + \frac{7}{3}x + 10 + 4x$

2) $8(2s + 3) - 2(5s + 2 + 2s - 7)$

3) $5(2n - 3) + 3(10 + \frac{13}{3}r - \frac{9}{3})$

5) $3(-7d + 5 + 8y + 3) + 2(3y + 1)$

7) $4(\frac{1}{2}a + 5 + 2a + 12 - 5c) - 10$

9) $2(7p + 1) + 3 + 2p - 1 + 5(p - 10)$

10) $3(10m - 20 - 7m - 12m) + 4m$

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Answer key

MS3

Simplifying Linear Expressions

Simplify each expression.

1) $\frac{8}{3}x - 5 + \frac{7}{3}x + 10 + 4x$

$9x + 5$

2) $8(2s + 3) - 2(5s + 2 + 2s - 7)$

$2s + 34$

3) $5(2n - 3) + 3(10 + \frac{13}{3}r - \frac{9}{3})$

$21n - 14$

5) $3(-7d + 5 + 8y + 3) + 2(3y + 1)$

$-d - 17$

7) $4(\frac{1}{2}a + 5 + 2a + 12 - 5c) - 10$

30

9) $2(7p + 1) + 3 + 2p - 1 + 5(p - 10)$

$21p - 46$

10) $3(10m - 20 - 7m - 12m) + 4m$

$-23m - 60$

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