

Name : _____

Simplifying Linear Expressions

MS5

Simplify each expression.

1) $24(4p - 3) - 8(4p + 2)$

2) $9(2t + 3 - 4t) + 4(7t + 2)$

3) $\frac{13}{4}n - 15 + \frac{7}{4}n + 4n - 5 - 7(11 - 10 + \frac{13}{6}a - 12)$

5) $10(x + 11 + 8d) + 8(3d - 7)$

7) $11\left(\frac{9}{2}c + 3c - 12 - 6\right)$

9) $6(7y + 3 + 4y - 1 - 5y - 10)$

10) $4(10s) - 20 - 50s - 12 + 4s$

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Answer key

Simplifying Linear Expressions

MS5

Simplify each expression.

1) $24(4p - 3) - 8(4p + 2)$

$64p - 88$

2) $9(2t + 3 - 4t) + 4(7t + 2)$

$10t + 35$

3) $\frac{13}{4}n - 15 + \frac{7}{4}n + 4n - 5n - 7(11 - 10) + \frac{13}{6}a - 12$

$9n - 15$

5) $10(x + 11 + 8d) + 8(3d - 7)$

$45x + 65$

7) $11\left(\frac{9}{2}c + 3c - 12 - 6\right)$

$77c + 6$

9) $6(7y + 3 + 4y - 1 - 5y - 10)$

$36y - 48$

10) $4(10s) - 20 - 50s - 12 + 4s$

$-6s - 32$

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