

Distributive Property and Combining Like Terms

Date _____ Period _____

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Simplify each expression.

1) $3(9 - 4k)$

2) $-(a - 3)$

3) $8(6x - 4)$

4) $9(1 + 7x)$

5) $4 + 4(9 + 8p)$

6) $-2 - 5(-8x + 8)$

7) $-9(-7k + 8) - 5$

8) $-4 + 9(n + 10)$

$$9) 9(10x - 2) - 2(-2 - x)$$

$$10) -9(n - 8) + 5(9n + 8)$$

$$11) -7(7m - 9) + 7(m - 9)$$

$$12) -4(-2r - 10) + 7(r - 5)$$

$$13) -\frac{13}{6}\left(\frac{7}{4}b + \frac{37}{10}\right)$$

$$14) \frac{9}{4}\left(-\frac{7}{2}n - \frac{26}{9}\right)$$

$$15) \frac{17}{3} + \frac{7}{2}\left(x + \frac{61}{6}\right)$$

$$16) -2\left(v + \frac{3}{2}\right) - \frac{4}{3}$$

$$17) 6.7(a + 3.1) - 1.3(4.8a - 0.1)$$

$$18) -1.9(3.3 + 3.6x) - 5.518(6x + 6.441)$$