Name:

Date:

Expressions and Variables

Simplify each expression.

1) $x + 5x$, use $x = 5$

2) $10x - 2 + 6 - 5$, use $x = 5$

3) $(-6)(-8x - 9y)$, use $x = 5$, $y = 5$

4) $8(-3x + 9) + 6$, use $x = 6$

5) $6x + 5y$, use $x = 7$, $y = 4$

6) $8x + 2 + 4y$, use $x = 9$, $y = 2$

7) $(-6)(-2x - 4y)$, use $x = 1$, $y = 3$

8) $2x - 3x - 9$, use $x = 7$

Simplify each expression.

9) $9(7x + 4) + 6x$

10) $6x - 3x - 8 + 10$

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1) $x + 5x$, use $x = 5$

30

2) $10x - 2 + 6 - 5$, use $x = 5$

41

3) $(-6)(-8x - 9y)$, use $x = 5$, $y = 5$

510

4) $8(-3x + 9) + 6$, use $x = 6$

-66

5) $6x + 5y$, use $x = 7$, $y = 4$

62

6) $8x + 2 + 4y$, use $x = 9$, $y = 2$

82

7) $(-6)(-2x - 4y)$, use $x = 1$, $y = 3$

84

8) $2x - 3x - 9$, use $x = 7$

-16

9) $9(7x + 4) + 6x$

$69x + 36$

10) $6x - 3x - 8 + 10$

$3x + 2$