

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



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

$3x + 2$