

Math 0020    January 23, 2017    Homework 4

Simplify the following.

1.  $19x + 7x - x$

2.  $\frac{7}{2} \cdot (40x)$

3.  $3x + 10 + 6x + 4 + 12x + 2 + x$

4.  $-2(3x^2 + 4x - 5)$

5.  $x - (3x - 7)$

6.  $342x - 218x + 76x$

7.  $\frac{3}{10} \cdot (40x)$

8.  $-(2x^2 - x + 8)$

9. Evaluate  $a^2 - 5b$  where  $a = -3$  and  $b = 4$  .

10. Evaluate  $a^3 - 2b - a$  where  $a = -2$  and  $b = 10$  .

11. Evaluate  $\frac{2a+3b}{a+b}$  where  $a = 5$  and  $b = -2$