Borough of Manhattan Community College
Mathematics Department

Math 8 **Prof Greenhalgh** **Practice Algebra Test**

1. Place in decreasing order from largest to smallest: 3, 0. - 7, 1, -1

2. Compute: $18 \div 2 \bullet 3$ `

3. Find the value of: $19 + 3(7 + 2)$

4. Simplify: $17 + 2 \bullet 5^2$

5. Compute: $(-5) + (-3)$

6. Compute: $(-5) + (+6)$

7. Compute: $(-7)^2$

8. Compute: $- 8 + 5 - 10 + 5$

9. Find the value of: $(-7) - (-3)$

10. Solve: $n - 9 = - 7$

11. Solve: $-5x = 40$

12. Solve: $3y - 12 = 15$

13. Solve: $n/6 = 9$

14. Solve: $x/11 = 7/19$

15. Find the value of $4x + 7y$ when $x = 3$ and $y = - 9$

16. Compute: $9 - 5 + 3$

17. The ratio of blue cars to red cars in a parking lot is 4:3. If there are 15 red cars parked in the lot, how many blue cars are there?

18. Find the value of $4x^2$ when $x = - 6$

19. Simplify: $24 \div 4 \bullet 3 + 5 (7 - 3)^2$

20. Simplify: $|-4|$