

Name: _____

Period: _____ Date: _____

Writing Linear Equations

Section I. Write an equation of the line using the given information in A) Slope Intercept Form and B) Standard Form.

1. $m = -6, \quad b = 4$

2. $m = \frac{3}{4}, \quad b = -4$

3. $m = 0, \quad b = -7$

4. $m = -\frac{3}{2}, \quad b = \frac{1}{4}$

Section II. Write an equation of the line using the given information in A) Slope Intercept Form and B) Standard Form.

5. $m = 3, \text{ and passes thru } (-2, 6)$

6. $m = 2, \text{ and passes thru } (-5, -7)$

7. $m = \frac{3}{2}, \text{ and passes thru } (0, 6)$

8. $m = \text{undefined}, \text{ and passes thru } (-6, 11)$

9. $m = -4, \text{ and passes thru } (5, -12)$

10. $m = \frac{-2}{3}, \text{ and passes thru } (9, -13)$

11. $m = -\frac{3}{8}, \text{ and passes thru } (16, 0)$

12. $m = 0, \text{ and passes thru } (-9, 14)$

Section III. Write an equation of the line using the given information in A) Point - Slope Form B) Slope Intercept Form and C) Standard Form.

13. $(-9, -11)$ and $(6, -1)$

14. $(0, 10)$ and $(-3, 8)$

15. $(1, 1)$ and $(4, 7)$

16. $(6, 3)$ and $(-3, -3)$

17. $(-1, 3)$ and $(2, 6)$

18. $(-4, 2)$ and $(2, 1)$

19. $(6, -1)$ and $(-6, 9)$

20. $(7, -2)$ and $(-5, -2)$