

Name: _____

Period: _____ Date: _____

Writing Linear Equations

Section I. Write an equation in slope-intercept AND standard form using the given information. SUPER EASY

1. $m = 5, \quad b = -1$

2. $m = \frac{1}{4}, \quad y - \text{intercept} = 7$

3. $m = \frac{-2}{3}, \quad y - \text{intercept} = 5$

4. $m = -\frac{4}{5}, \quad b = \frac{3}{5}$

Section II. Write an equation in slope-intercept AND standard form using the given information. MEDIUM

5. $m = -4, \text{ and passes thru } (9, -2)$

6. $m = 2, \text{ and passes thru } (0, -5)$

7. $m = -\frac{1}{5}, \text{ and passes thru } (-5, -1)$

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

9. $m = -\frac{1}{4}$, and passes thru $(0,6)$

10. $m = 0$, and passes thru $(4,-7)$

11. $m = \frac{2}{3}$, and passes thru $(12,11)$

12. $m = \text{undefined}$, and passes thru $(-21,8)$

Section III. Write an equation in A) point slope, B) slope-intercept AND C) standard form using the given information. DIFFICULT

12. $(4, 2)$ and $(0, 1)$

13. $(8, 3)$ and $(2, 0)$

15. $(8, 1)$ and $(-4, 1)$

16. $(0, -1)$ and $(3, -5)$

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

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

19. $(3, 1)$ and $(-6, 4)$

20. $(-7, 12)$ and $(-7, -15)$