Name:

Algebra

Review (8.1 – 8.5)

**State whether each ordered pair is a solution of the given equation**

1. x – y = 5 2. 2x + y = 8

(6, 1), (3, -2) (3, -2), (-3, -2)

3. x + 3y = 6 4. 12 – y = 2x

(3, 1), (-3, 3) (3, 6), (4, 4)

5. 5x – 3y = 0

(3, 5), (-3, -5)

**Graph each equation**

6. x – y = 4 7. x + y = 5

8. y = 2x + 6 9. y = -2x + 2

10. 2x + y = 4

**Find the slope**

11. (0, 1), (2, -2) 12. (-1, 5), (0, 0)

13. (-3, -4), (1, 2) 14. (4, 4), (-4, 6)

15. (7, 4), (7, -4)

**Find the slope and y-intercept of each line**

16. y = 1/3x + 4 17. y = -4x + 8

18. y = 3 19. 3x – y = 3

20. x + 4y = 4

**Write an equation in slope-intercept form of each line described**

21. slope = 3; y-intercept = -7 22. slope = -2/5; y-intercept = -1

23. slope = 3; passes through (-1, 2)

24. slope = -2; passes through (-3, 1) 25. (-1, 2), (4, 7)