

Section 5.5 – Graphing the Equation of a Line

Problem Set 1

Graph the following lines using the Plotting Points method.

1. $y = 4x + 5$

2. $y = -4x + 6$

3. $x = 5$

4. $4y = x - 2$

5. $y = 3$

6. $3y + 5x = 15$

7. $3y + x = 4$

8. $x + y = 3$

9. $4y + 3 = y$

Graph the following lines using the Intercepts method.

10. $y = 3x - 5$

11. $y = \frac{4}{5}x + 3$

12. $4y = 2x - 7$

13. $2y + x = -3$

14. $y - 3x = 3x + 4$

15. $3y + x = 6$

16. $y + 3x = 0$

17. $3x + 4 = x - 4$

18. $y + 2x = x + 1$

Graph the following lines using the Slope-Intercept method.

19. $y = 4x - 2$

20. $y = 3x + 1$

21. $2y - 3x = 1$

22. $4x + y = -2$

23. $2x + 3y = 1$

24. $2x + 3y = -2$

25. $3x - 4y = 1$

25. $-2x = 3$

27. $4y + x = 1$