

You are expected to show all of your work very clearly. The work and graphs for the following problems should be done on graphing paper. You should have a **separate graph** for each problem and **show the work with each graph**.

Graph each of the following equations and clearly identify the x -intercept and y -intercept.

1. $3x + 4y = 12$

2. $x + 4y = 8$

3. $5x + 3y = -15$

4. $3x - 4y = 12$

5. $2x - 5y = -12$

6. $-3x + 2y = -13$

7. $-3x + 5y = -17$

8. $4x - 5y = -22$

Graph each of the following equations.

9. $x = 5$

10. $x = -2$

11. $x = 0$

12. $y = 3$

13. $3y = 0$

14. $y = -3$

15. $2x + 3y = 0$

16. $3x + 2y = 0$

17. $-4x + 5y = 0$

18. $5x - 4y = 0$

19. $-3x - 4y = 0$