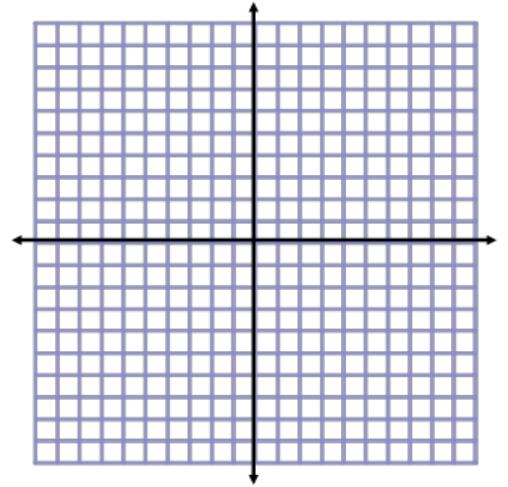
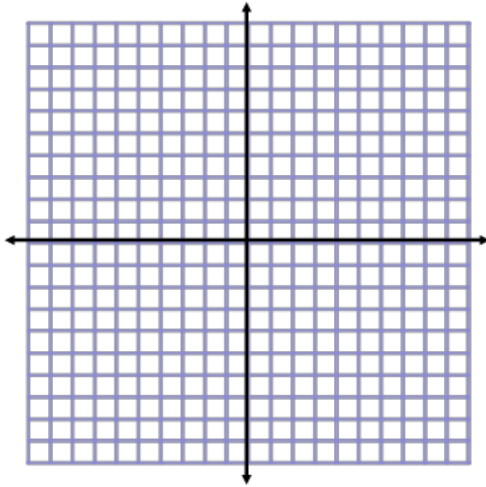


Directions: Please answer the following questions. **Show work!!**

Graph the following.

1. $2x = y + 7$

2. $3y + 7x = 6$



Write the equation of the line with the following characteristics.

3. slope of $\frac{1}{2}$ and y-intercept of 10

4. Slope of -3 through (36, 2)

5. Through (4, 5) and (-10, 5)

6. Through (-4, 1) and (-2, -7)

Simplify

7. $4ab^{-9}c^0$

8. $\left(\frac{2c^6d^2}{c^3d^8}\right)^3$

9. $8x^3(5x^4)$

10. $(3a^4b^2)^3$

11. $\frac{18c^6d^2}{6c^3d^8}$

12. $\left(ab^9c^{\frac{4}{5}}\right)^{\frac{2}{3}}$

13. $\frac{28m^{\frac{7}{9}}}{4m^{\frac{1}{6}}}$

14. $-4w^{\frac{3}{4}}v \cdot 10w^{\frac{5}{8}}v^5$

Simplify.

15. $\sqrt{225}$

16. $\sqrt{245}$

17. $\sqrt{44}$