FLUENCY PRACTICE: 1st Semester Review

Name:_____ Period:_____

Directions: Solve each equation. **Show all work.**

1. $7f - 9 = 4f + 15$

2. $6p - 30 = 2(p + 7)$

3. $\frac{2}{3}g + 6 = \frac{1}{2}g + 2$

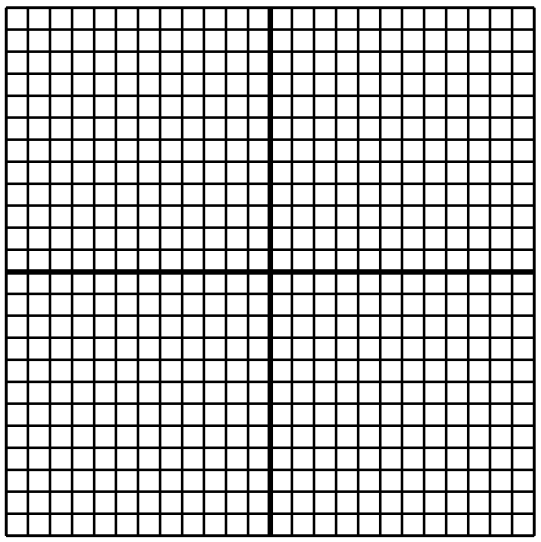
4. $8(m + 2) = 6(m + 7)$

5. $3d - 7 = \frac{3}{4}(d + 6)$

6. $7(b - 5) + 9 = 5(b + 3)$

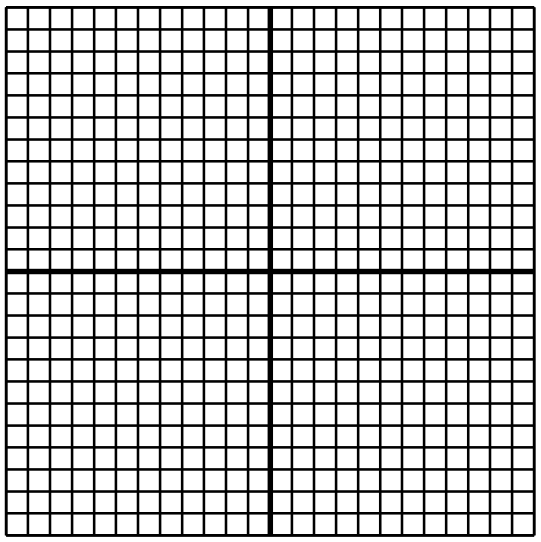
Directions: Graph each pair of linear functions.

7. $y = \frac{3}{4}x + 2$



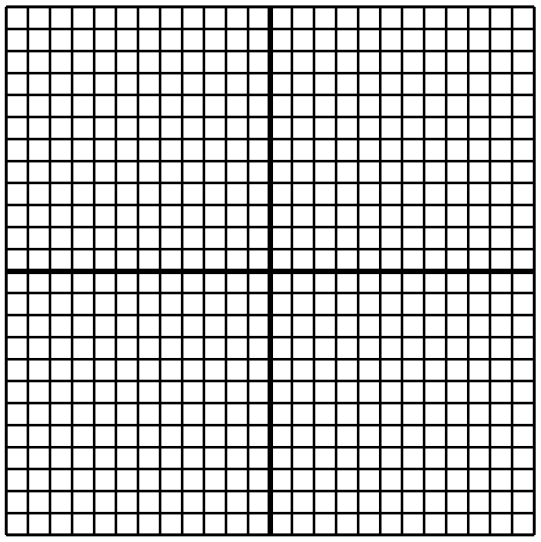
8. $y = -3x - 6$

9. $y - 5 = -\frac{2}{3}(x + 3)$



10. $y + 4 = \frac{4}{3}(x - 1)$.

11. $2x + 5y = 20$



12. $x - 3y = 7$

Directions: Find the intersection of each pair of equations. **Show all work.**

13. $y = 3x + 1$
    $y = \frac{5}{3}x - 11$

14. $2x + 5y = 34$
    $y = 2x - 10$

15. $3x + 2y = -18$
    $3x - 7y = -45$

16. $4x - y = 15$
    $2x + 3y = 25$

17. $y = \frac{1}{2}x + 6$
    $4x - 3y = -8$

18. $6x - 3y = 10$
    $y = 2x + 5$