Algebra 1 B Unit 2

Objectives 2 & 3 – Finding *x*- and *y*-intercepts

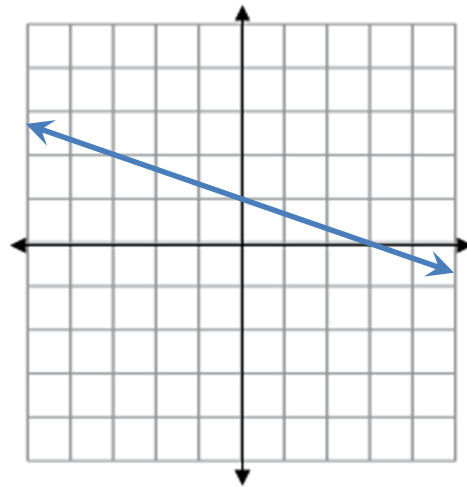**State the *x*- and *y*-intercept for each graph.**
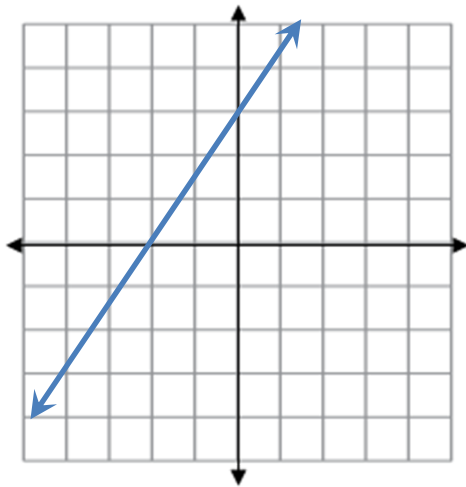
Name _____

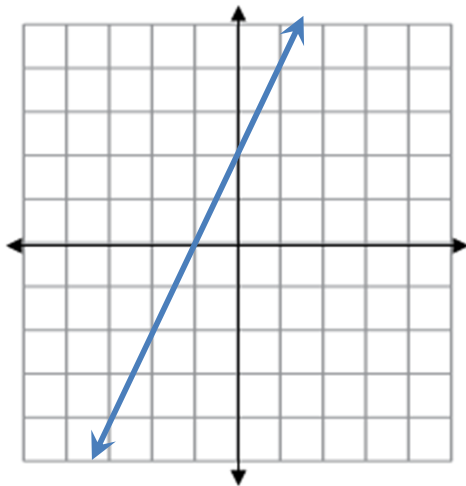Period _____ Date _____

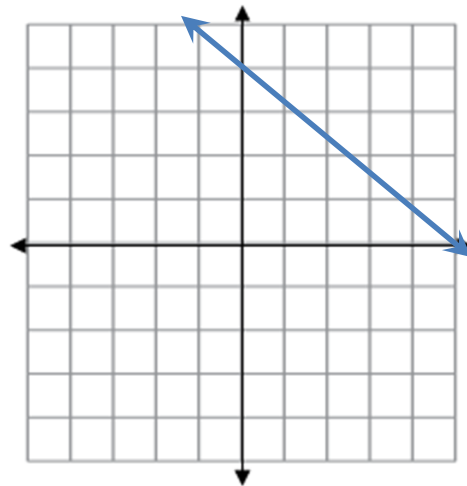*x*-intercept = _____

y-intercept = _____

x-intercept = _____

y-intercept = _____

x-intercept = _____

y-intercept = _____

x-intercept = _____

y-intercept = _____

State the *x*- and *y*-intercept for each equation.

1. $2x + 5y = 10$

       x-intercept = _____

       y-intercept = _____

2. $3x + 8y = 24$

       x-intercept = _____

       y-intercept = _____

3. $-2x + 7y = 14$

       x-intercept = _____

       y-intercept = _____

4. $-9x - 2y = 18$

       x-intercept = _____

       y-intercept = _____

5. $4x - 5y = 8$

       x-intercept = _____

       y-intercept = _____

6. $25x + 100y = 200$

       x-intercept = _____

       y-intercept = _____

7. $y = -3x + 2$

       x-intercept = _____

       y-intercept = _____

8. $y = \frac{1}{2}x - 5$

       x-intercept = _____

       y-intercept = _____

9. $y = 8x - 24$

       x-intercept = _____

       y-intercept = _____

10. $y = -\frac{2}{3}x - 2$

       x-intercept = _____

       y-intercept = _____