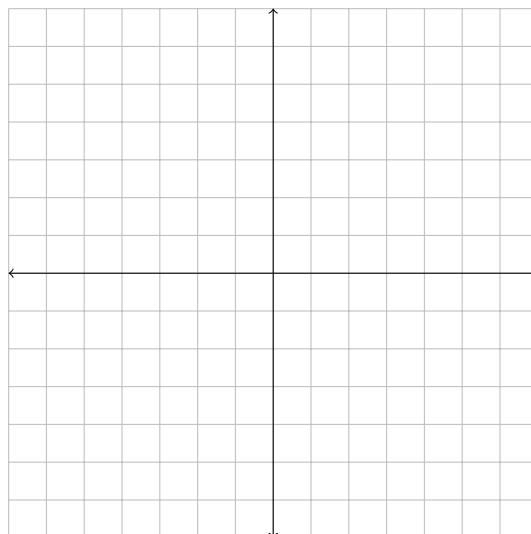


Names: _____

Activity #4: Some Geometry

College Algebra

1. Find an equation for the line passing through the point $(6, 3)$ and having slope $1/3$.
2. Find the slope between the points $(2, -7)$ and $(-4, -5)$.
3. Find the distance between the points $(-5, 3)$ and $(-4, -2)$.
4. Plot the graph of the linear equation $y = \frac{1}{5}x + 3$ on the plane below.



5. Find the slope between the points $(7, -7)$ and $(7, -6)$.

6. Find the midpoint of the points $(4, -1)$ and $(-4, -1)$.

7. Find an equation for the circle centered at $(2, 3)$ and having radius 3.

8. Find an equation for the circle centered at $(2, -5)$ and passing through $(-2, 4)$.

9. Find an equation for the line passing through the points $(6, 2)$ and $(-3, -6)$.

10. Convert the standard form linear equation

$$y + 3x = -2$$

to slope-intercept form.

11. Find an equation in slope-intercept form for the line passing through the point $(3, 4)$ and parallel to $y = \frac{1}{2}x + 2$.