**GEOMETRY**

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| 1. Find the center and radius of the circle with equation | 1. Evaluate the piecewise function at the given values of the independent variable:   Evaluate at f(5), f(0), and f(3). |
| 1. Let and be points in the plane. Find the equation of the line through points A and B. | 1. Find the domain of the piecewise function: |
| 1. Sketch the region in the -plane defined by | 1. Find the domain of |
| 1. Identifying even and odd functions: | 1. Find an equation for the line that passes through the point (2, -5) and    1. has a slope of -3    2. is parallel to the y-axis    3. is parallel to the line 2x-4y=3 |

**Circles**

1. Find the equation of the circle with its center at (1, -5) and radius of 3.
2. Given the equation of a circle , find the radius and the center.
3. Give the center and radius of the circle defined by .
4. Give the center and radius of the circle defined by .
5. Find the equation of the circle with center at (-6, -7) and r = 6.

**Parallel/Perpendicular**

1. Find the equation of the line containing (3, 0) and perpendicular to the x-axis.
2. Find the equation of the line containing (-4, 5) and parallel to the x-axis.
3. Find the equation of the line containing (0, -2) and parallel to the x-axis.
4. Fund the equation of the line containing (-4, 5) and parallel to the y-axis.
5. Find the equation of the line that is parallel to the graph of y = 3x – 2 and has the y-intercept (0, 3).
6. Find the equation of the line that is perpendicular to the graph of y = 5 and has the y-intercept (2, 0).
7. Find the equation of the line that is perpendicular to the graph of x = -2 and passes through the origin.