Pre-Calculus Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit 6 Conics

WS-1: Circles Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Block: \_\_

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| Students will investigate the relationship between lines and circles. |

1. For each circle, write the equation in standard form, state the center, radius and then graph.
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12. Given the following information, write the standard form of the equation for each circle.
13. Center: (0, 0); radius: 6
14. Center: (0, 0); radius: 1
15. Center: (0, 0); radius: 
16. Center: (0, 0); radius: 
17. Center: (2, -7); diameter: 10
18. Center: (3, -2); diameter: 14
19. Center: (-3, -4); diameter: 
20. Center: (-8, 12); radius: 
21. Endpoints of the diameter (-3,1) and (4,5)
22. Endpoints of the diameter (0,4) and (-2,-3)
23. Center (1,2) and point on the circle (4,-6)
24. Center (0,-3) and point on the circle (-1,-3)