

## Lesson 10.1.1 Assignment

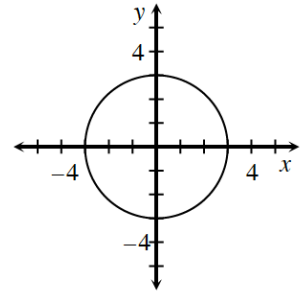
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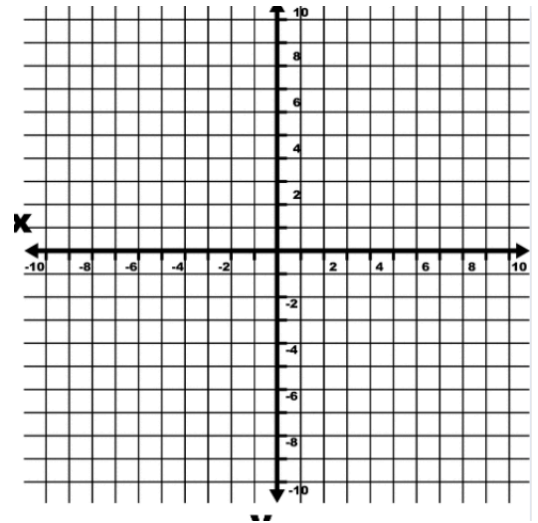
Period:

10-7. Examine the graph of the circle at right. [Homework Help](#) 

a. What is the equation of the circle?



b. On graph paper, sketch the graph of  $x^2 + y^2 = 81$ . What is the radius?



10-8. Complete the square to write  $y^2 = 2x^2 + 12x - 7$

in graphing form. Then determine the vertex and the intercepts of the parabola. [Homework Help](#)



10-10. Kent solves for the inverse of  $f(x)=2x+3$  and determines  $f^{-1}(x) = \frac{1}{2}x - 3$

. Is Kent correct? Explain. [Homework Help](#) 