

Answers to Classwork Distance/Midpoint Circles

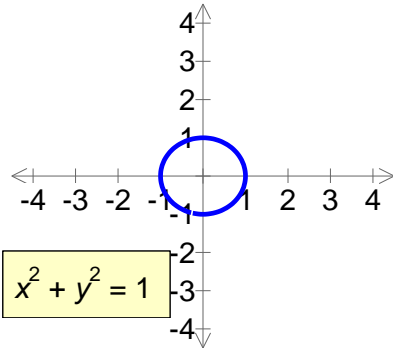
1. $d = 10, M = (3, -1)$

2. $d = 17, M = \left(\frac{3}{2}, 1\right)$

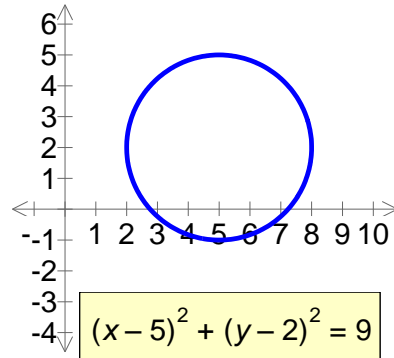
3. $d = 2\sqrt{29}, M = (3, 3)$

4. $d = 7\sqrt{2}, M = \left(\frac{-5}{2}, \frac{1}{2}\right)$

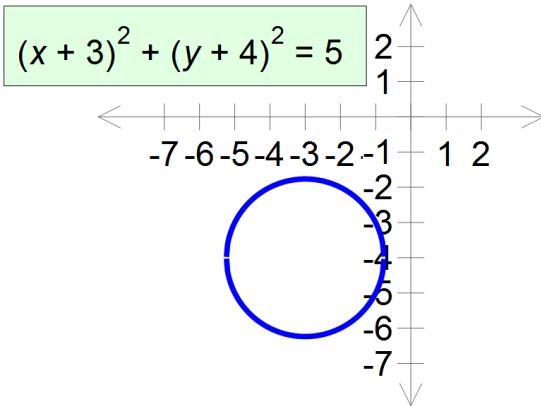
5.



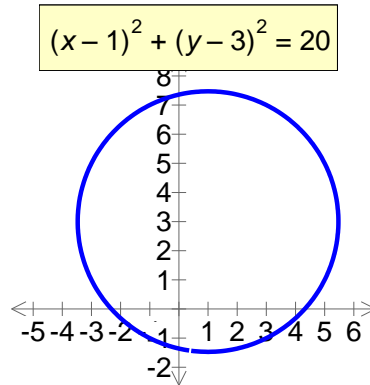
6.



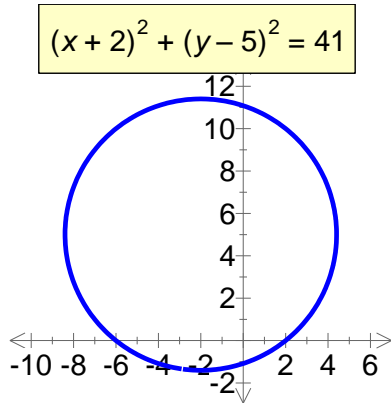
7.



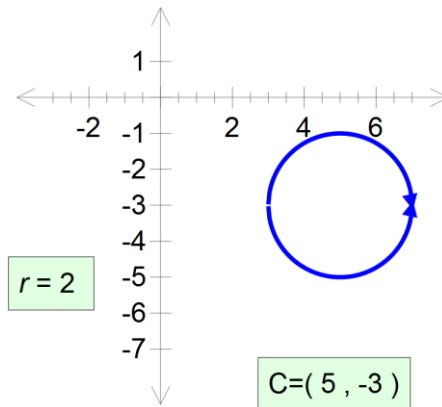
8.



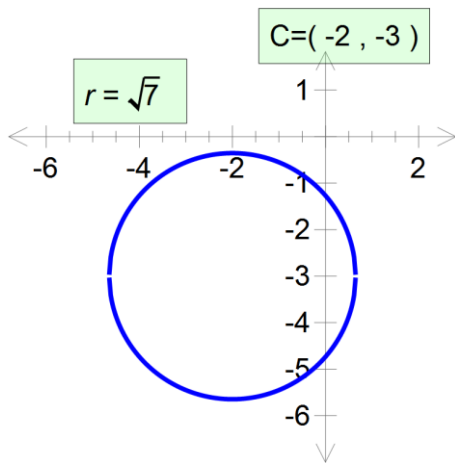
9.



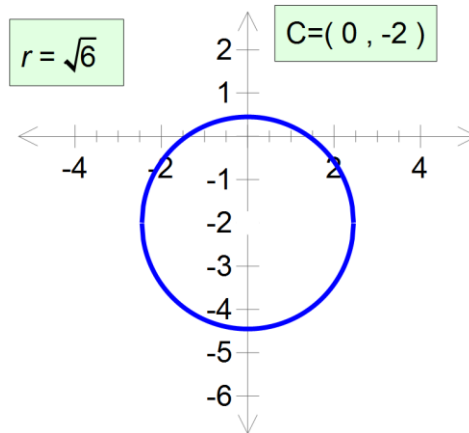
10.



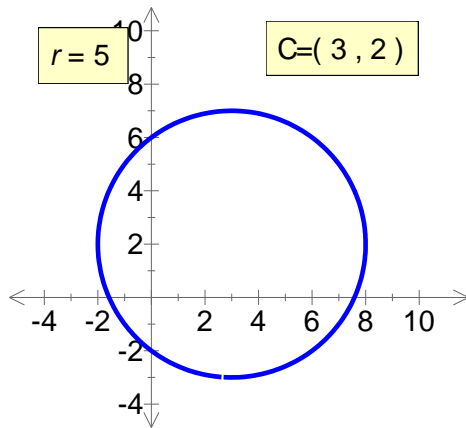
11.



12.



13.



14. No graph

15. $(-5, 3)$