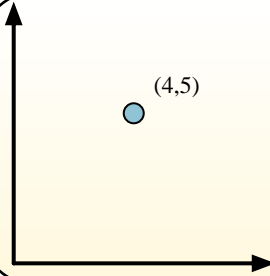


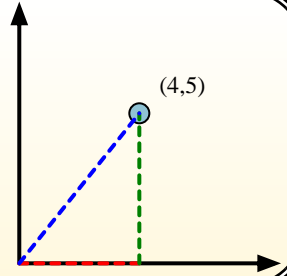


Calculate the angle of the circle relative to (0,0).

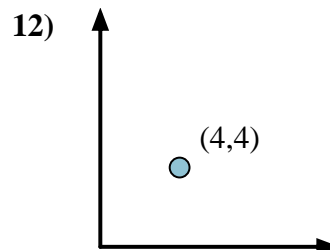
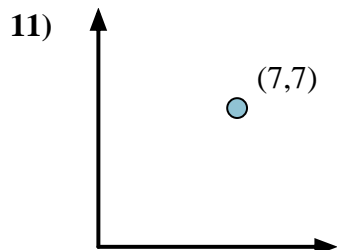
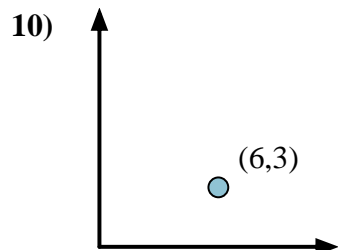
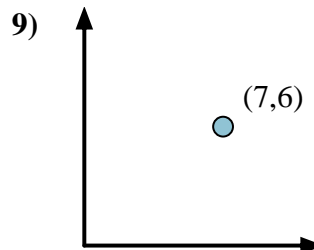
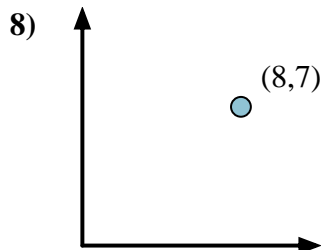
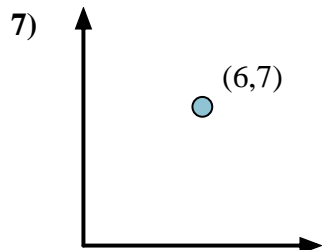
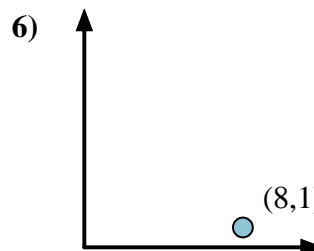
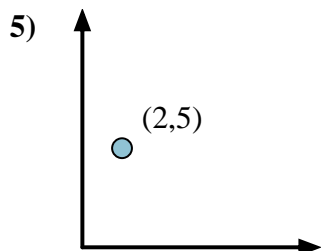
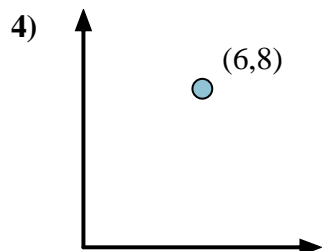
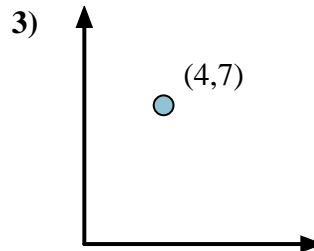
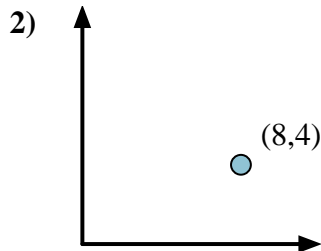
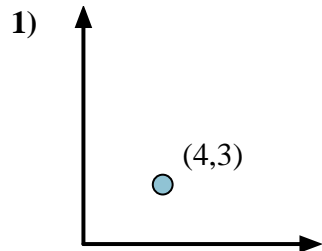


First find the slope.  
 $(y_2 - y_1) \div (x_2 - x_1) = m$   
 $(5 - 0) \div (4 - 0) = 1.25$

Then find the arc tangent (aka. inverse tangent) of the slope.  
 $\arctan(1.25) = 51.34^\circ$



## Answers



1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_



Calculate the angle of the circle relative to (0,0).

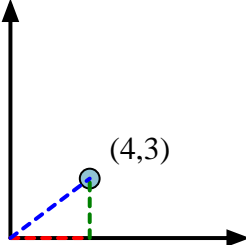


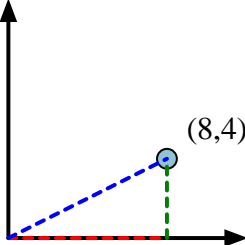
First find the slope.  
 $(y_2 - y_1) \div (x_2 - x_1) = m$   
 $(5 - 0) \div (4 - 0) = 1.25$

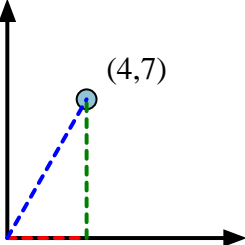
Then find the arc tangent (aka. inverse tangent) of the slope.  
 $\arctan(1.25) = 51.34^\circ$

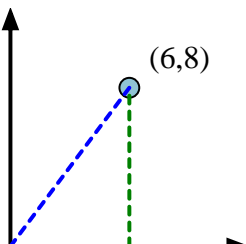


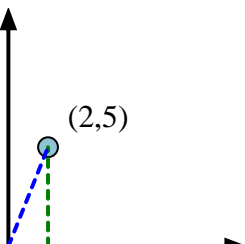
Answers

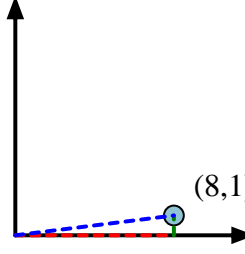
- 1) 

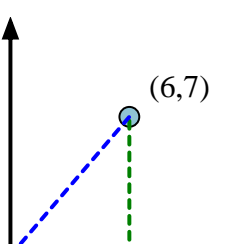
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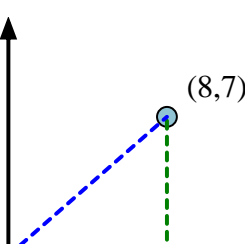
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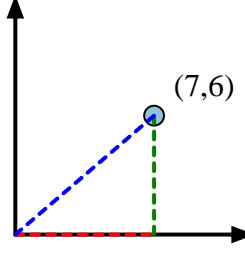
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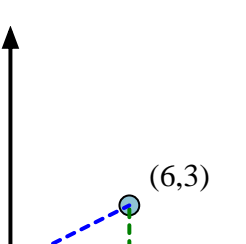
5) 

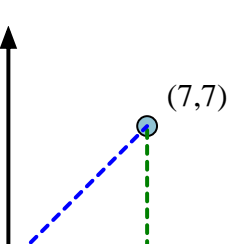
6) 

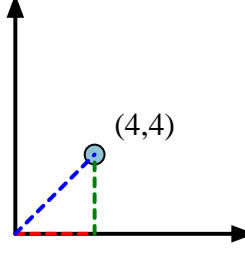
7) 

8) 

9) 

10) 

11) 

12) 

1. 36.87
2. 26.57
3. 60.26
4. 53.13
5. 68.20
6. 7.13
7. 49.40
8. 41.19
9. 40.60
10. 26.57
11. 45.00
12. 45.00