



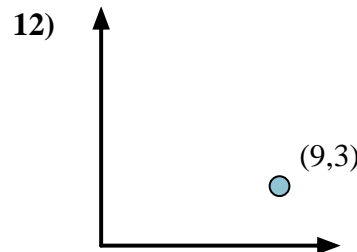
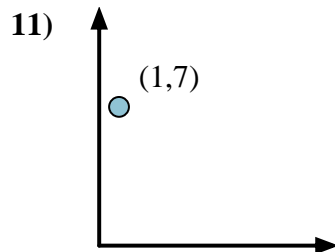
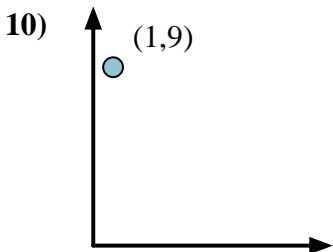
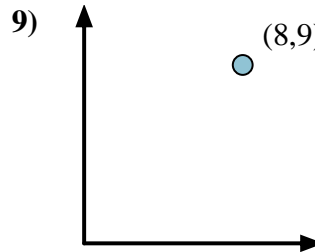
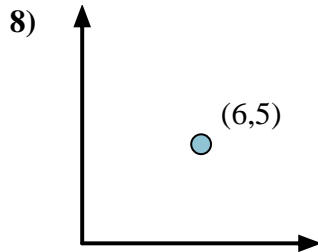
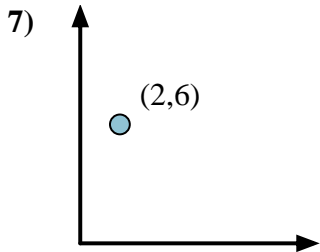
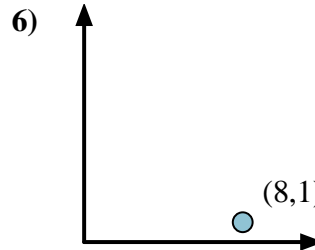
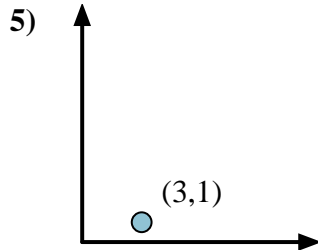
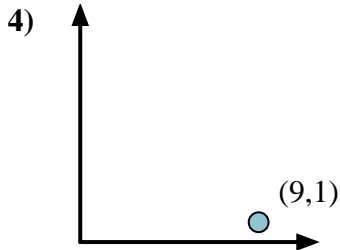
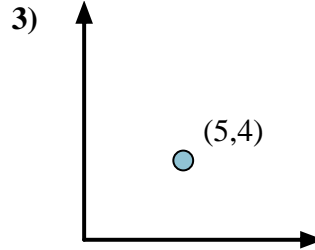
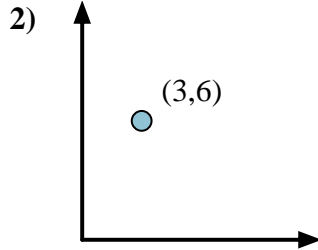
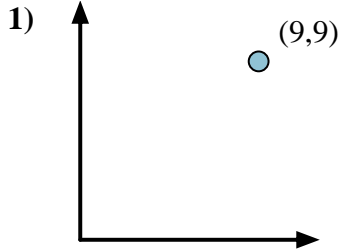
Calculate the angle of the circle relative to (0,0).

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.
 $\arctan(1.25) = 51.34^\circ$

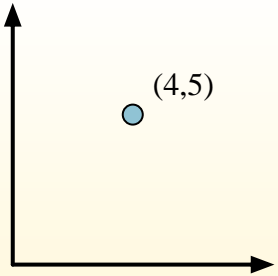
Answers

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



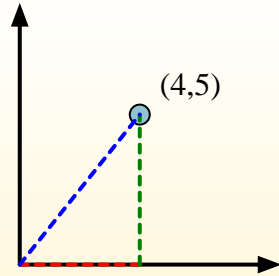


Calculate the angle of the circle relative to (0,0).

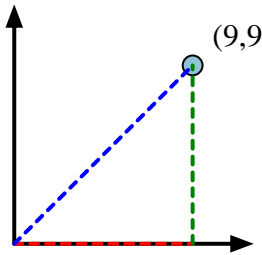


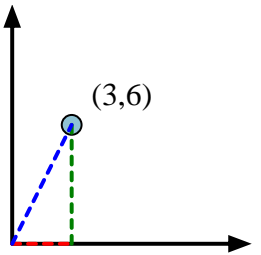
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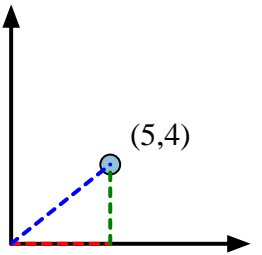
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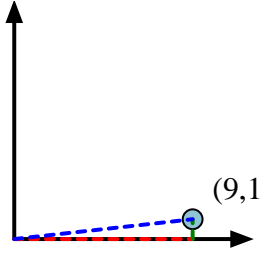


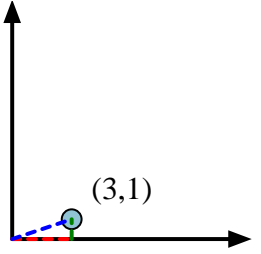
Answers

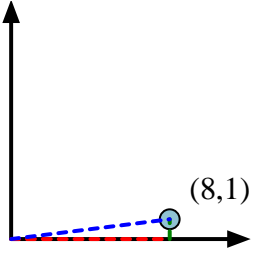
1) 

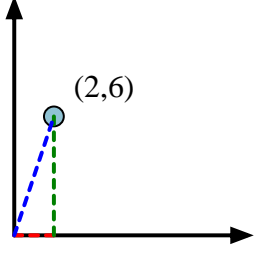
2) 

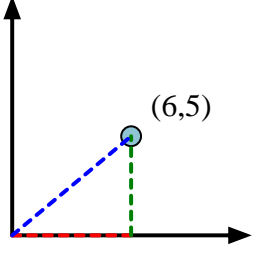
3) 

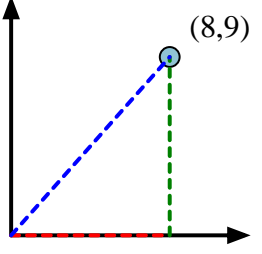
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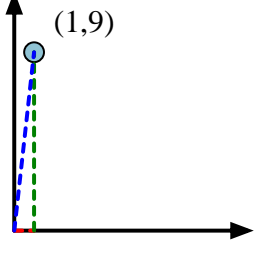
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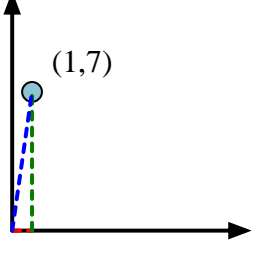
6) 

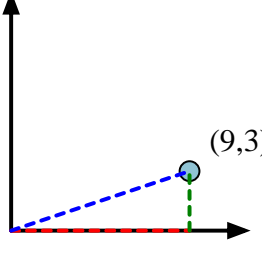
7) 

8) 

9) 

10) 

11) 

12) 

1. 45.00°
2. 63.43°
3. 38.66°
4. 6.34°
5. 18.43°
6. 7.13°
7. 71.57°
8. 39.81°
9. 48.37°
10. 83.66°
11. 81.87°
12. 18.43°