



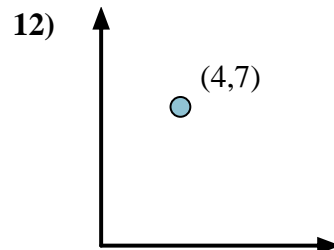
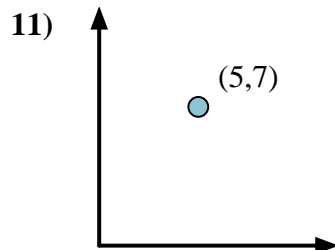
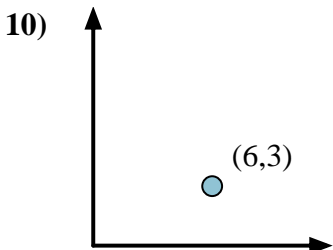
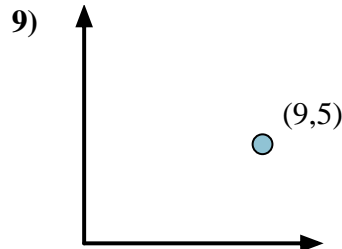
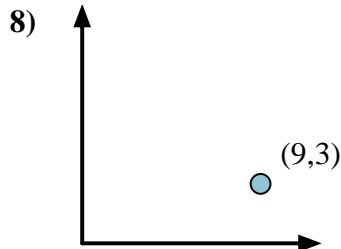
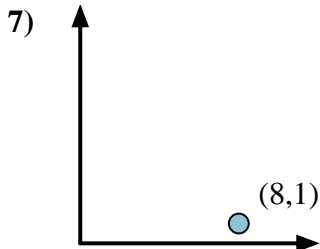
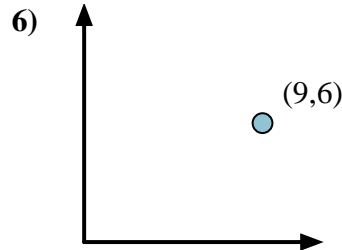
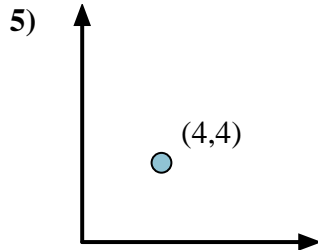
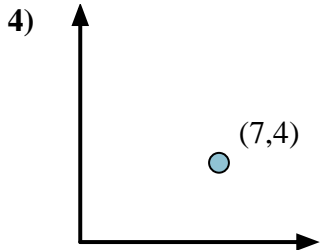
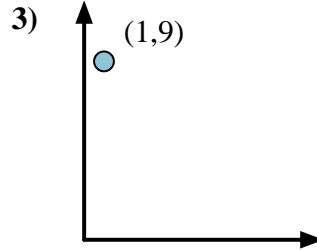
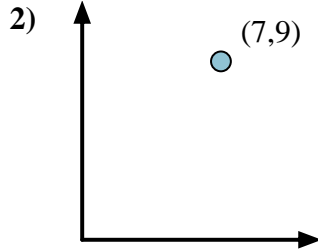
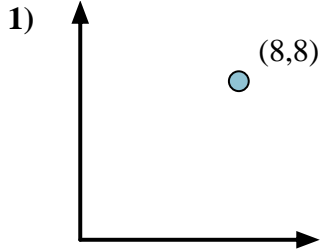
Calculate the angle of the circle relative to (0,0).

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

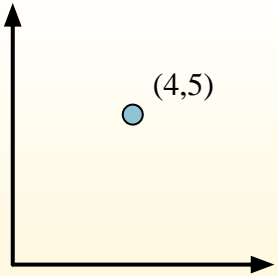
Answers

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



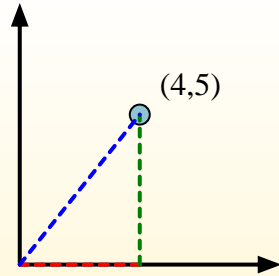


Calculate the angle of the circle relative to (0,0).

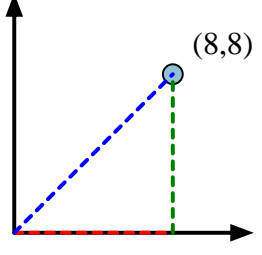
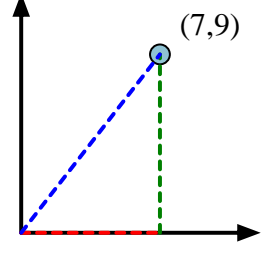
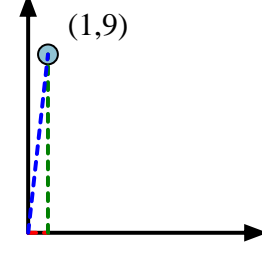
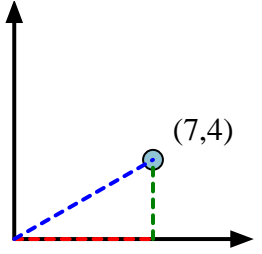
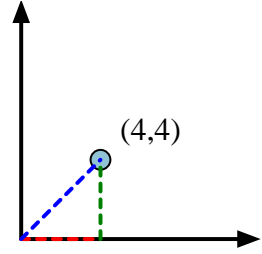
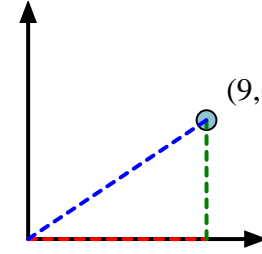
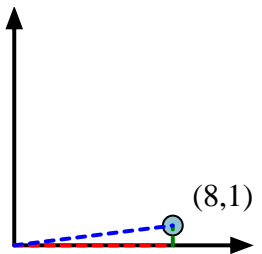
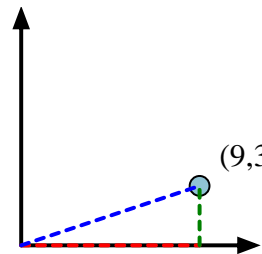
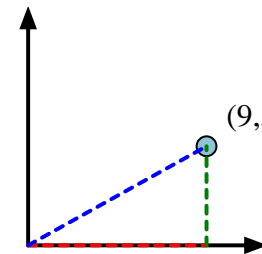
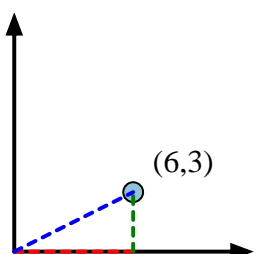
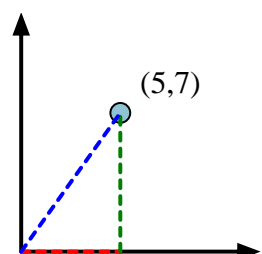
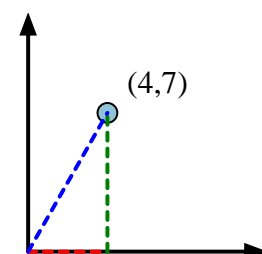


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Answers

- 1) 
- 2) 
- 3) 
- 4) 
- 5) 
- 6) 
- 7) 
- 8) 
- 9) 
- 10) 
- 11) 
- 12) 

1. 45.00°
2. 52.13°
3. 83.66°
4. 29.74°
5. 45.00°
6. 33.69°
7. 7.13°
8. 18.43°
9. 29.05°
10. 26.57°
11. 54.46°
12. 60.26°