

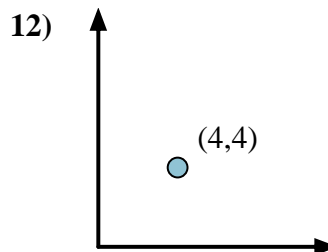
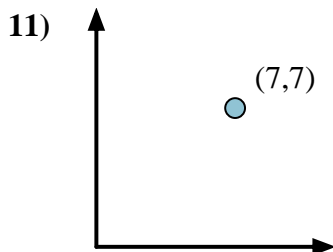
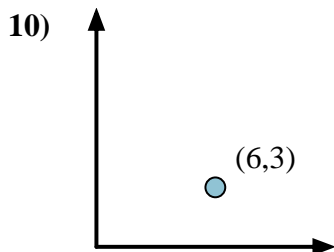
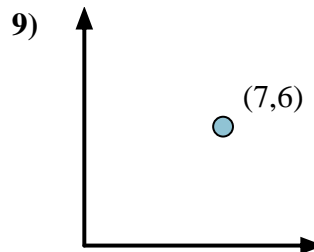
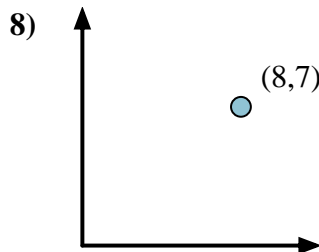
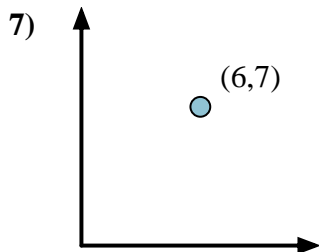
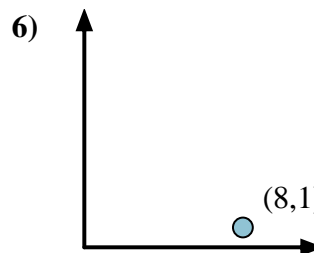
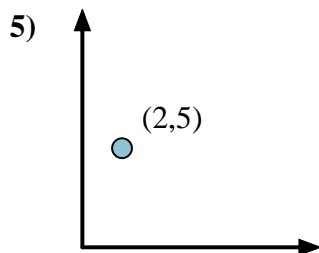
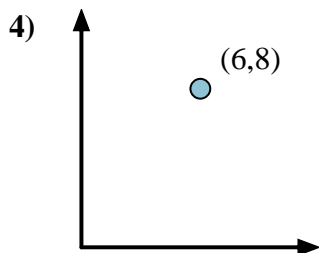
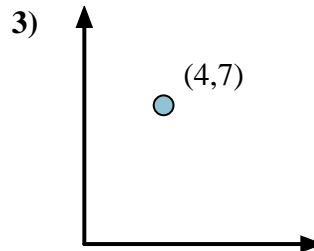
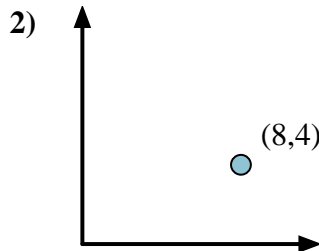
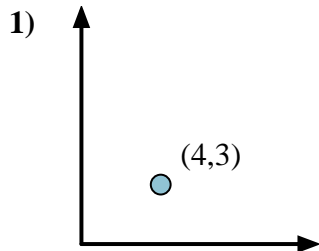


Calculate the angle of the circle relative to (0,0).

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

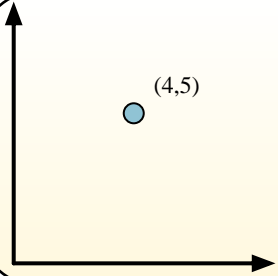
Answers



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

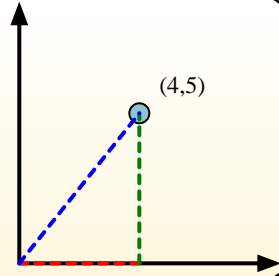


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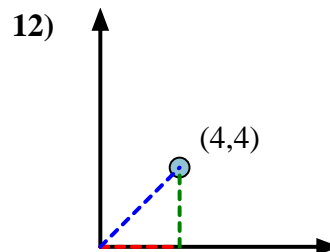
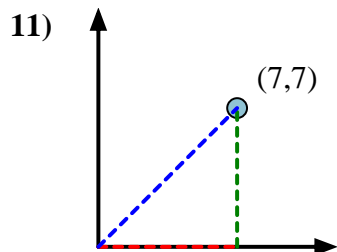
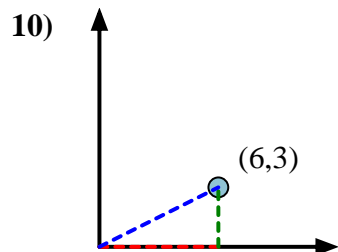
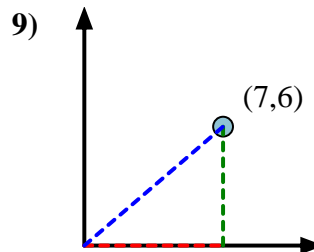
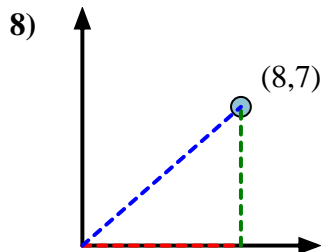
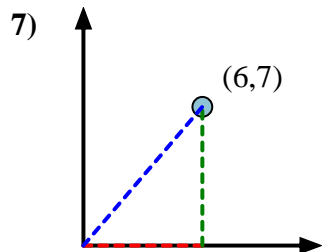
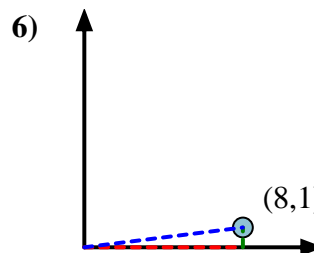
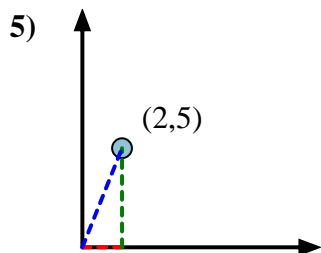
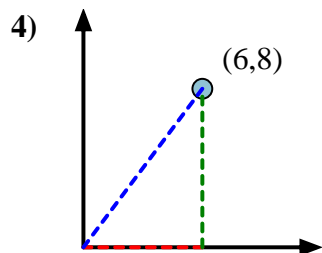
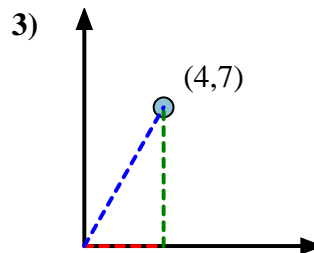
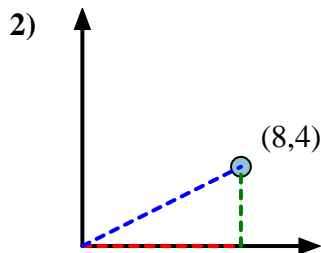
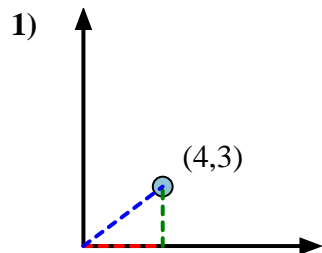


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Answers



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