



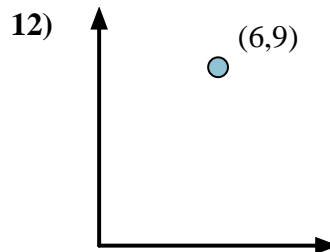
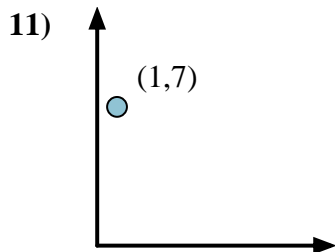
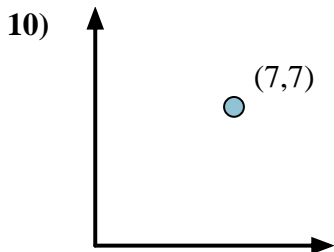
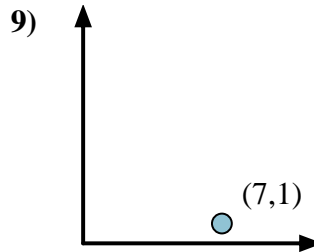
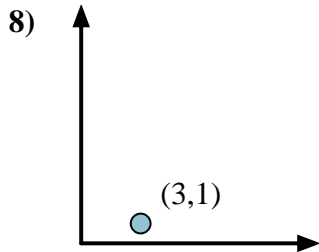
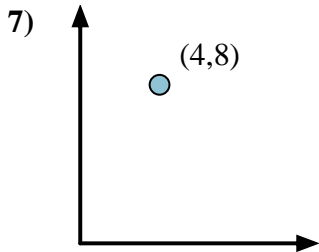
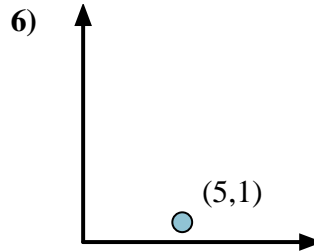
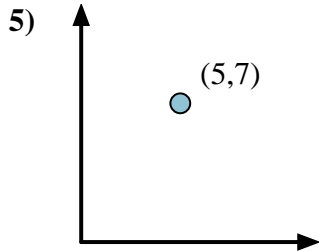
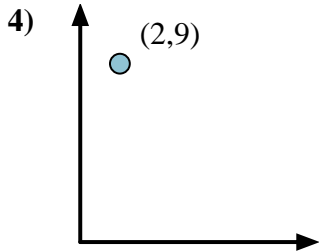
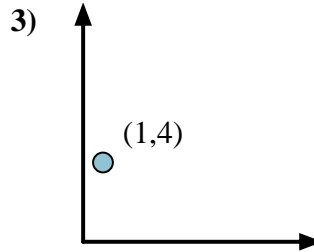
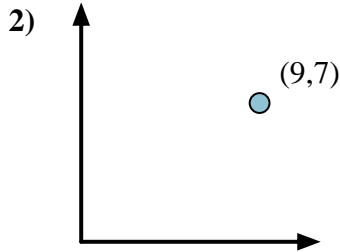
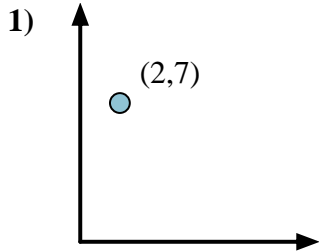
Calculate the angle of the circle relative to (0,0).

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

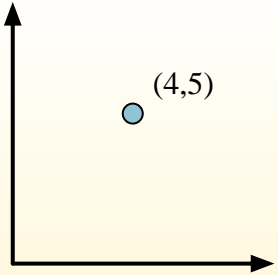
Answers

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



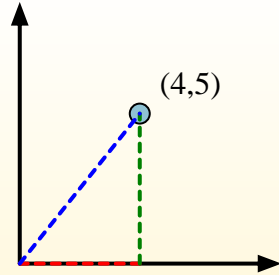


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Answers

1. **74.05°**

2. **37.87°**

3. **75.96°**

4. **77.47°**

5. **54.46°**

6. **11.31°**

7. **63.43°**

8. **18.43°**

9. **8.13°**

10. **45.00°**

11. **81.87°**

12. **56.31°**

