



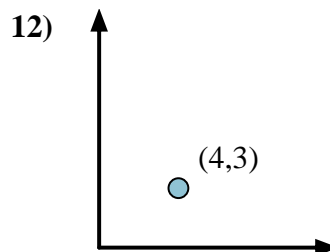
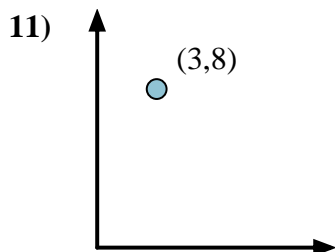
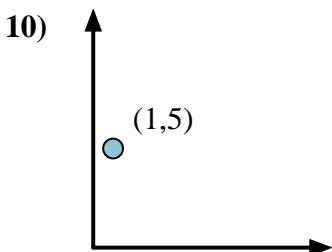
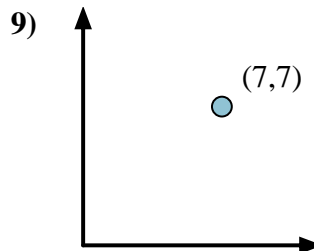
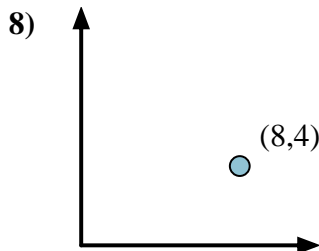
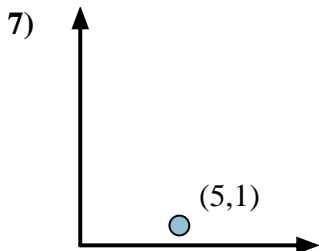
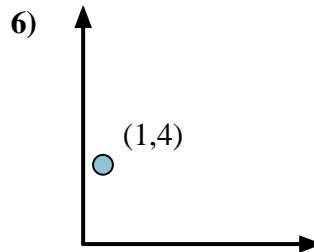
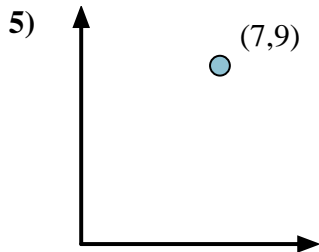
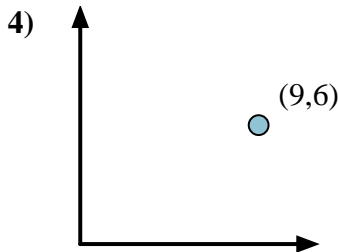
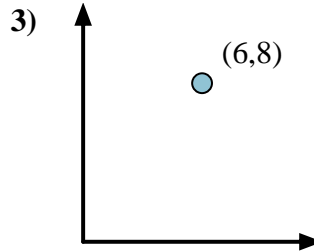
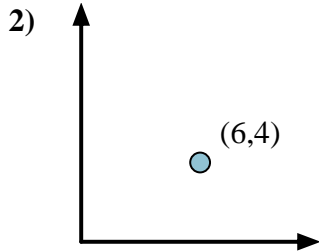
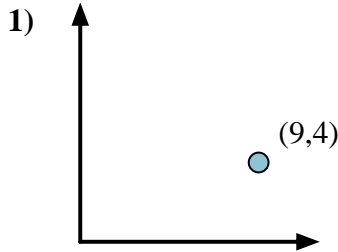
Calculate the angle of the circle relative to (0,0).

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. 23.96°
2. 33.69°
3. 53.13°
4. 33.69°
5. 52.13°
6. 75.96°
7. 11.31°
8. 26.57°
9. 45.00°
10. 78.69°
11. 69.44°
12. 36.87°

