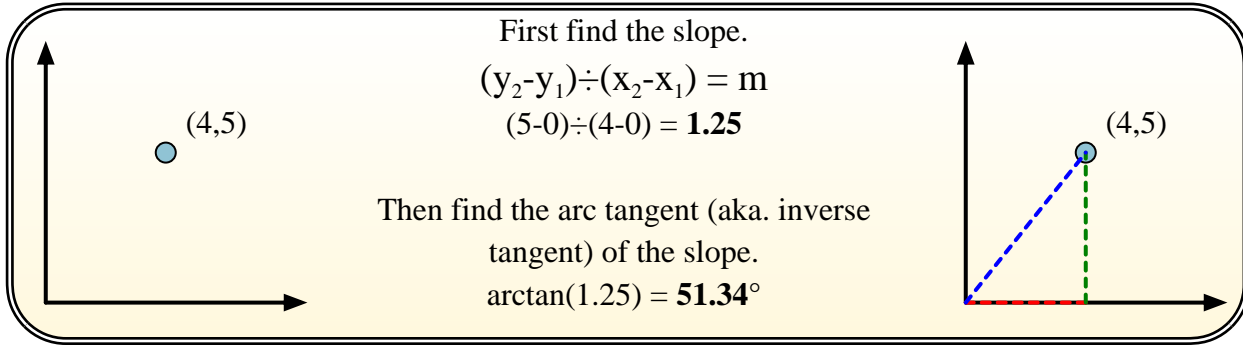




Calculate the angle of the circle relative to (0,0).

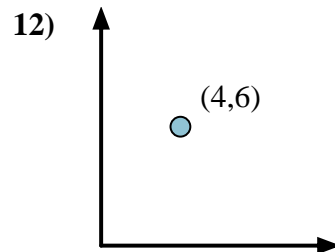
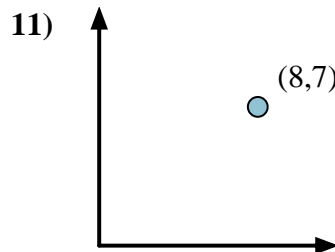
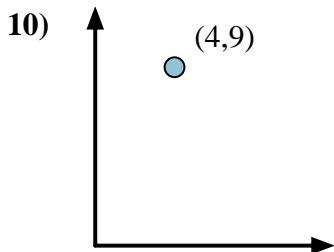
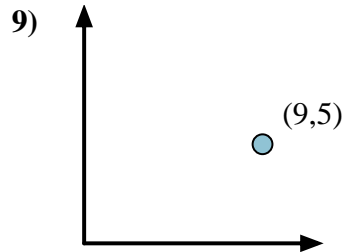
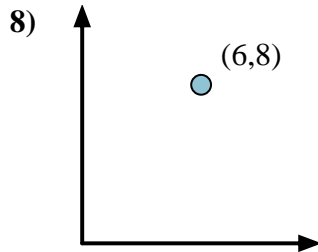
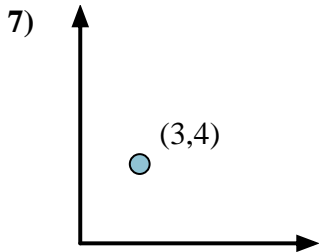
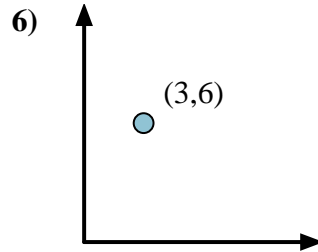
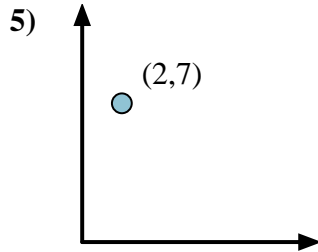
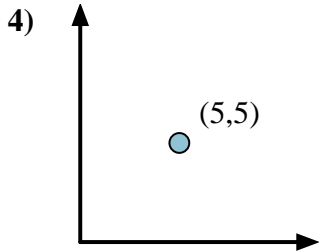
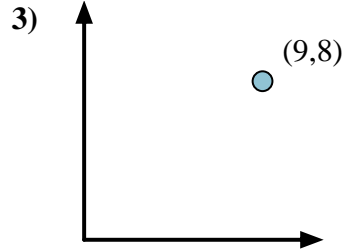
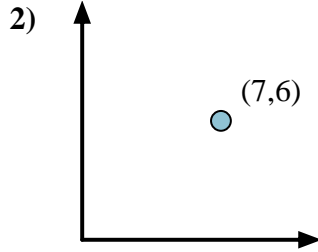
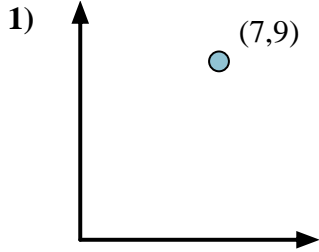
First find the slope.  
 $(y_2 - y_1) \div (x_2 - x_1) = m$   
 $(5 - 0) \div (4 - 0) = 1.25$

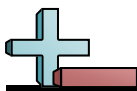
Then find the arc tangent (aka. inverse tangent) of the slope.  
 $\arctan(1.25) = 51.34^\circ$



Answers

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
- 12. \_\_\_\_\_





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

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. **52.13°**

2. **40.60°**

3. **41.63°**

4. **45.00°**

5. **74.05°**

6. **63.43°**

7. **53.13°**

8. **53.13°**

9. **29.05°**

10. **66.04°**

11. **41.19°**

12. **56.31°**

