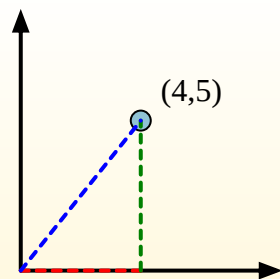




Calculate the angle of the circle relative to (0,0).

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. _____

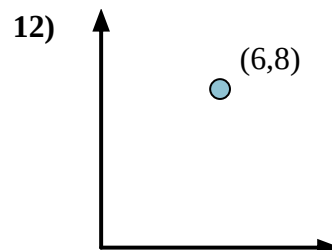
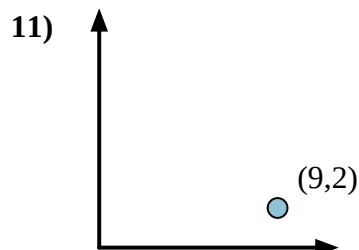
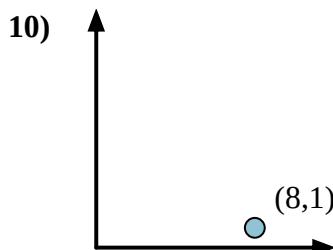
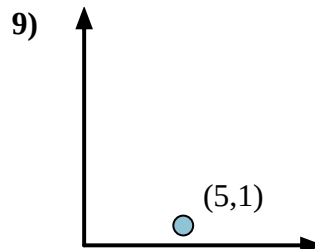
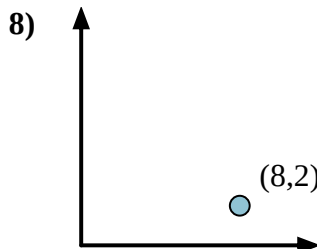
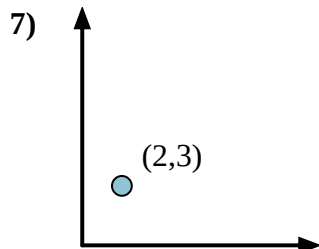
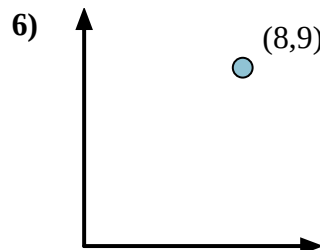
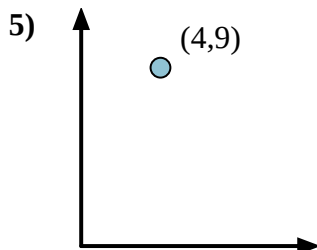
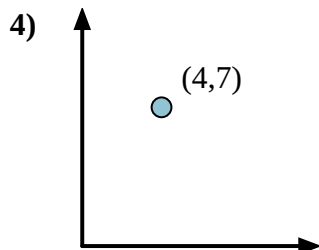
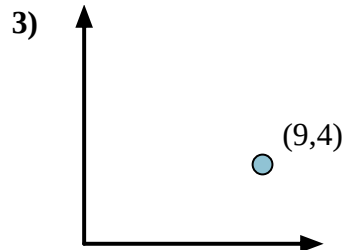
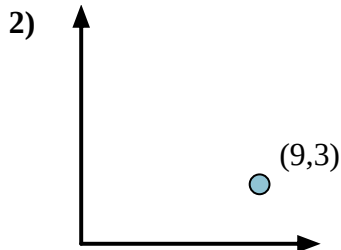
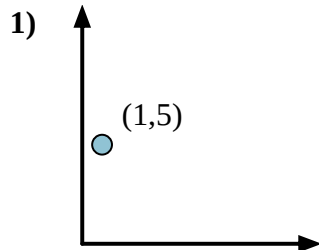
8. _____

9. _____

10. _____

11. _____

12. _____

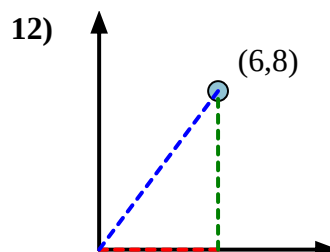
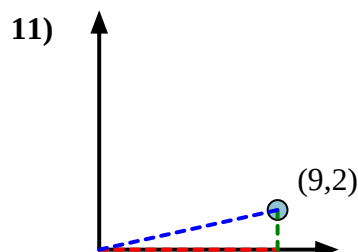
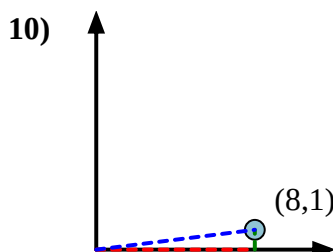
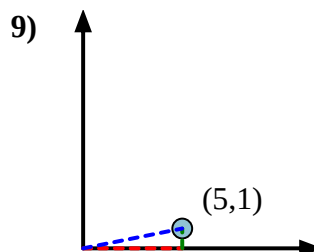
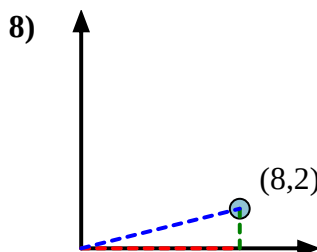
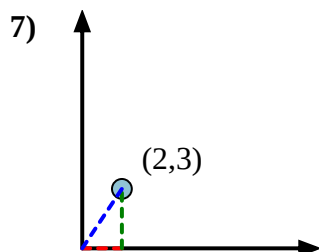
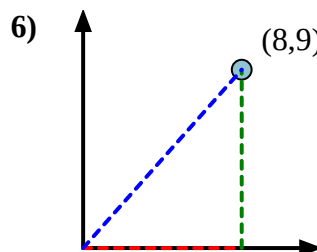
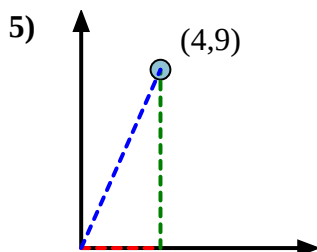
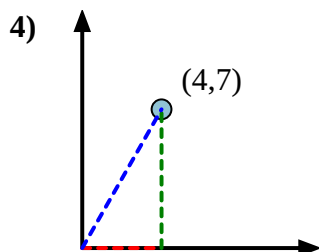
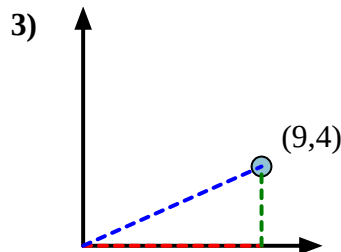
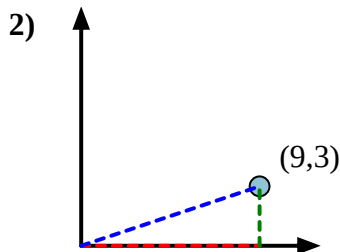
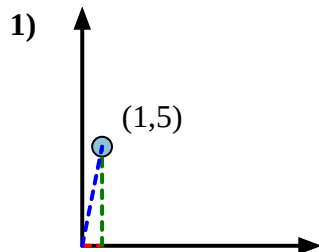
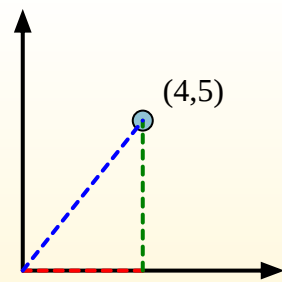




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Then find the arc tangent (aka. inverse tangent) of the slope.
 $\arctan(1.25) = 51.34^\circ$

**Answers**

1. **78.69°**
2. **18.43°**
3. **23.96°**
4. **60.26°**
5. **66.04°**
6. **48.37°**
7. **56.31°**
8. **14.04°**
9. **11.31°**
10. **7.13°**
11. **12.53°**
12. **53.13°**