



Finding Angle between Two Points

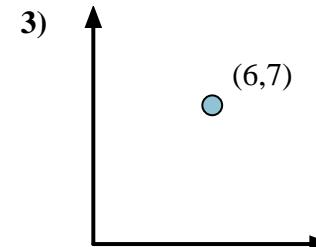
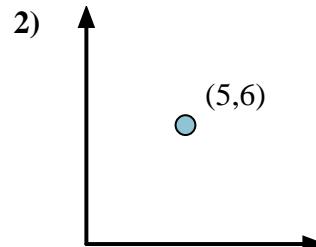
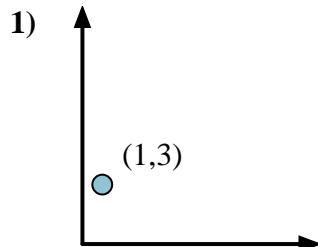
Name: _____

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

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

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. _____

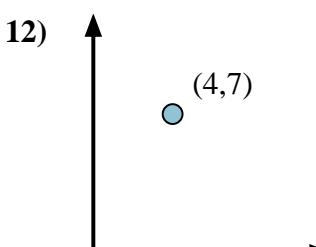
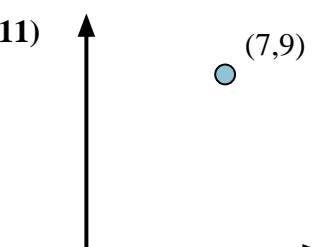
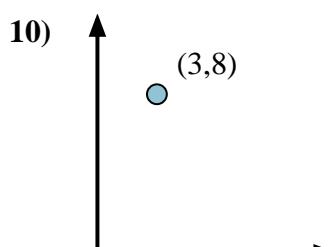
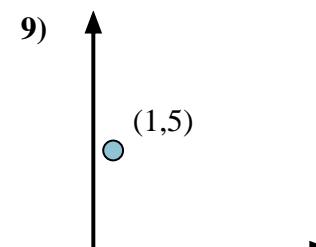
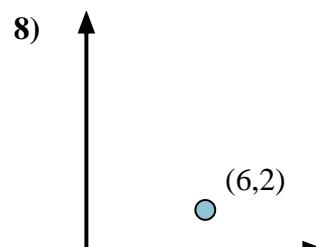
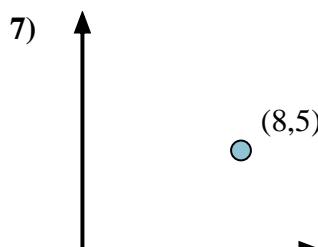
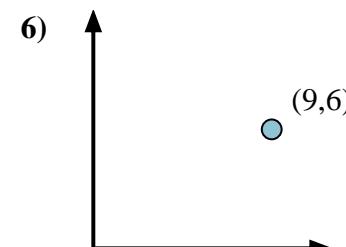
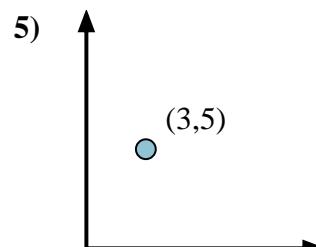
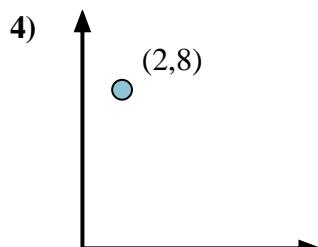
8. _____

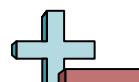
9. _____

10. _____

11. _____

12. _____





Finding Angle between Two Points

Name: **Answer Key**

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

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

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

Answers

1. **71.57**
2. **50.19**
3. **49.40**
4. **75.96**
5. **59.04**
6. **33.69**
7. **32.01**
8. **18.43**
9. **78.69**
10. **69.44**
11. **52.13**
12. **60.26**

