



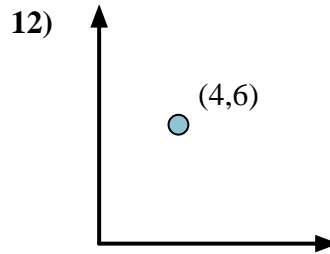
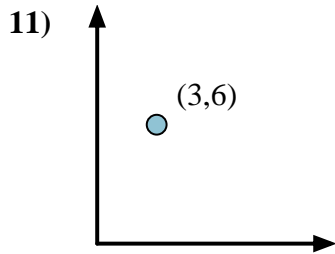
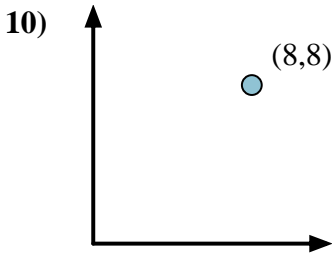
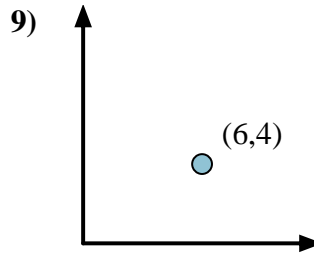
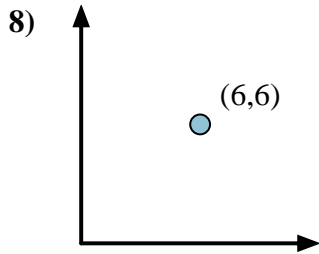
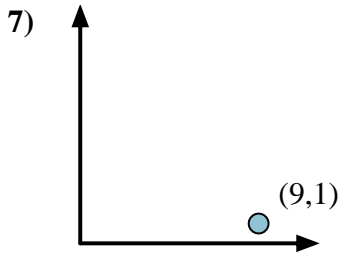
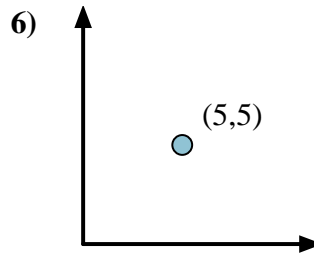
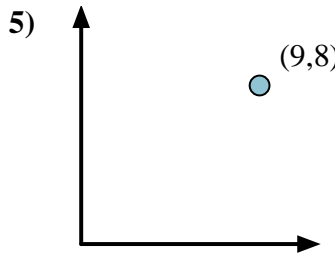
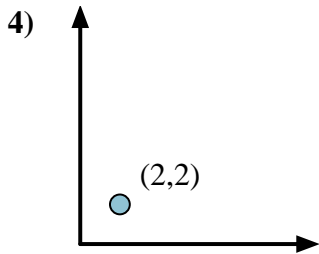
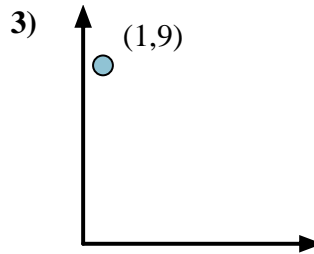
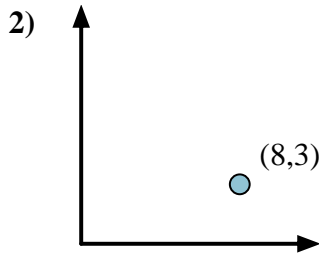
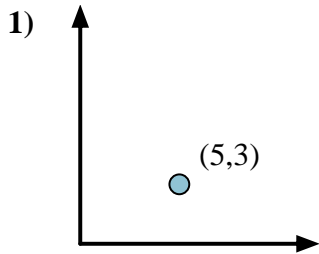
Calculate the angle of the circle relative to (0,0).

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. _____



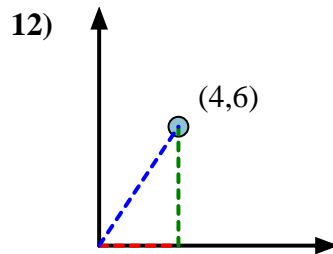
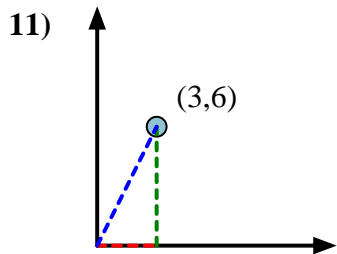
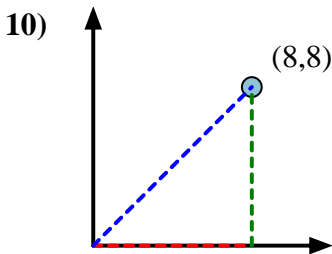
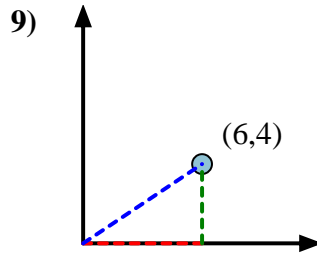
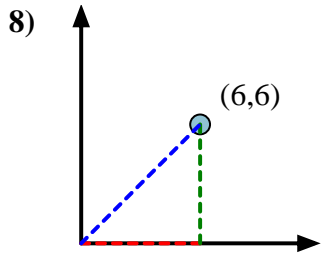
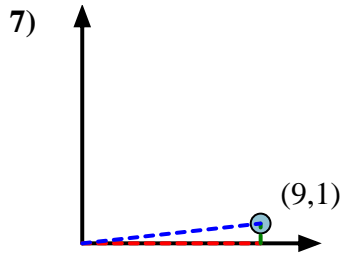
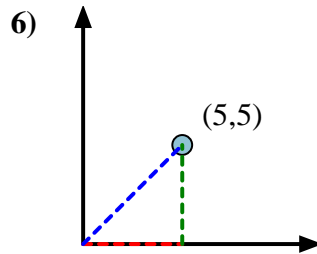
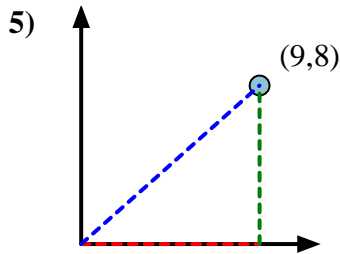
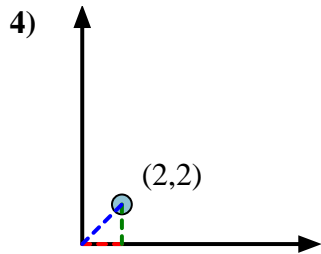
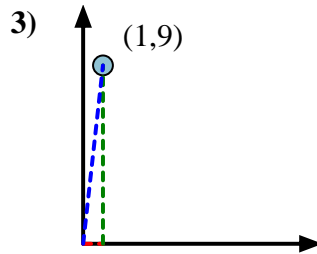
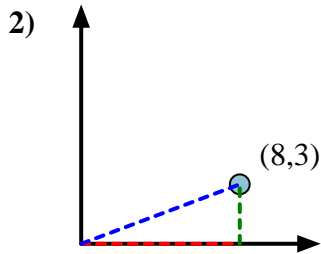
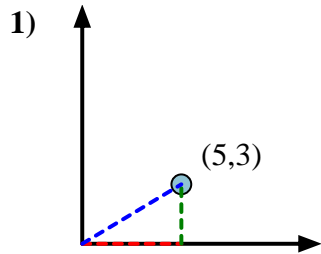


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Then find the arc tangent (aka. inverse tangent) of the slope.
 $\arctan(1.25) = 51.34^\circ$

Answers



1. 30.96°
2. 20.56°
3. 83.66°
4. 45.00°
5. 41.63°
6. 45.00°
7. 6.34°
8. 45.00°
9. 33.69°
10. 45.00°
11. 63.43°
12. 56.31°