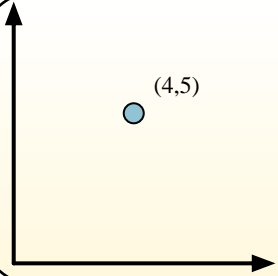


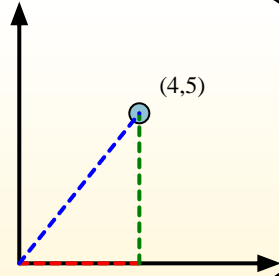


Calculate the angle of the circle relative to (0,0).

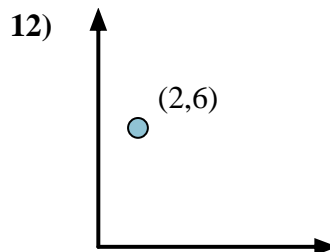
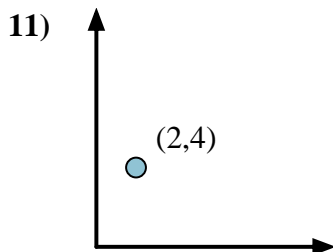
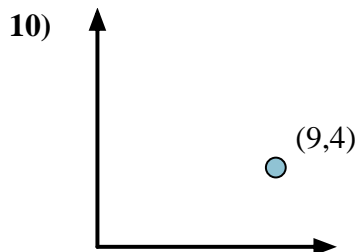
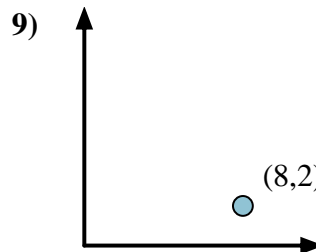
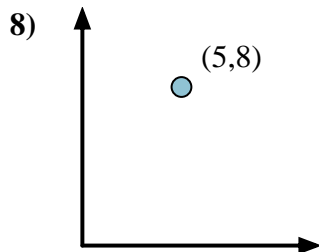
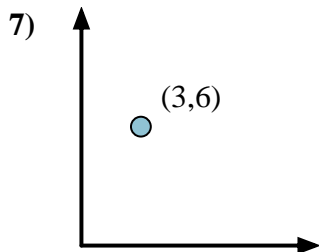
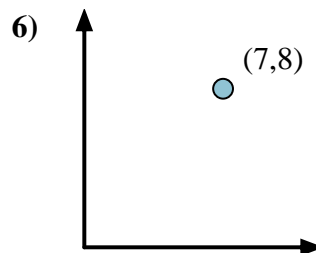
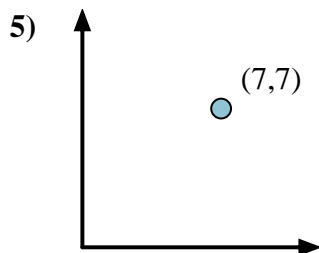
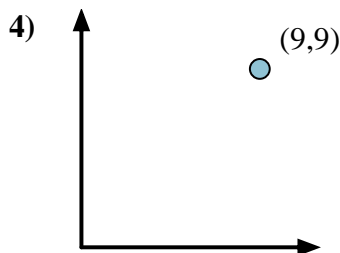
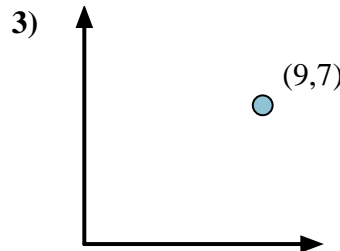
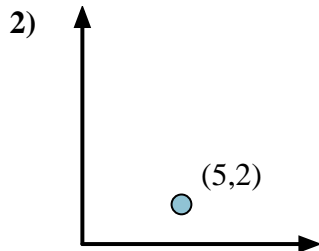
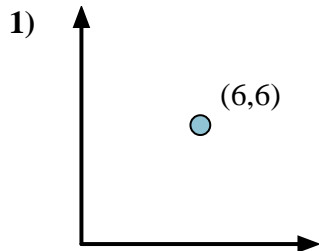


First find the slope.
 $(y_2 - y_1) \div (x_2 - x_1) = m$
 $(5 - 0) \div (4 - 0) = 1.25$

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



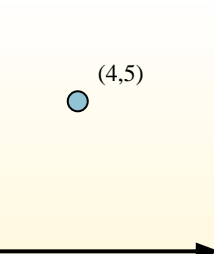
Answers



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

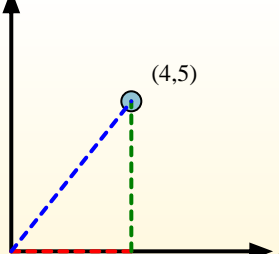


Calculate the angle of the circle relative to (0,0).

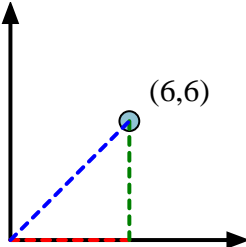


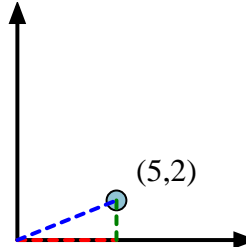
First find the slope.
 $(y_2 - y_1) \div (x_2 - x_1) = m$
 $(5 - 0) \div (4 - 0) = 1.25$

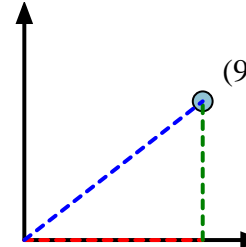
Then find the arc tangent (aka. inverse tangent) of the slope.
 $\arctan(1.25) = 51.34^\circ$

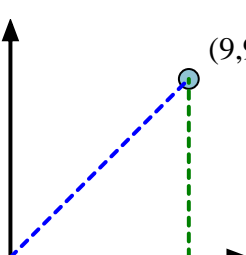


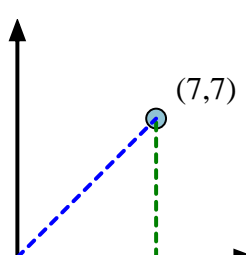
Answers

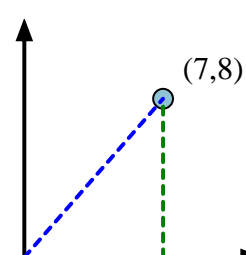
- 1) 

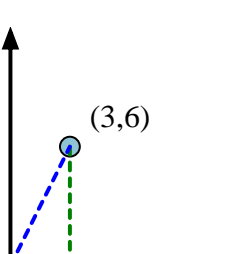
2) 

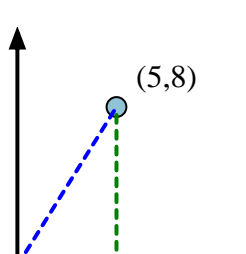
3) 

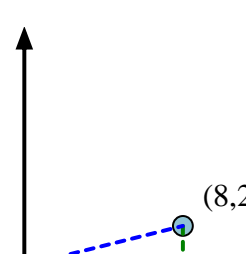
4) 

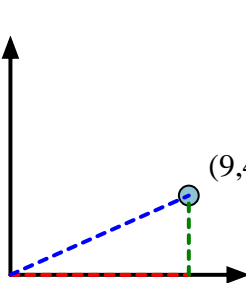
5) 

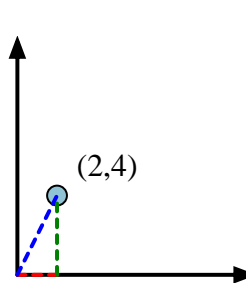
6) 

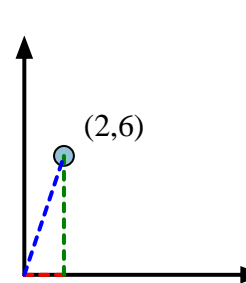
7) 

8) 

9) 

10) 

11) 

12) 

1. 45.00
2. 21.80
3. 37.87
4. 45.00
5. 45.00
6. 48.81
7. 63.43
8. 57.99
9. 14.04
10. 23.96
11. 63.43
12. 71.57