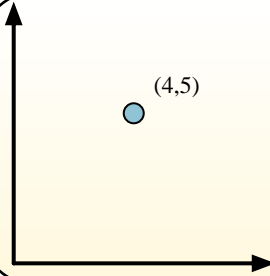


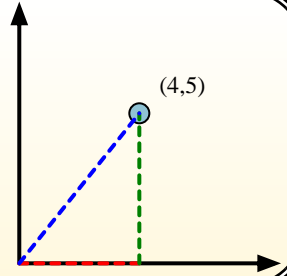


Calculate the angle of the circle relative to (0,0).

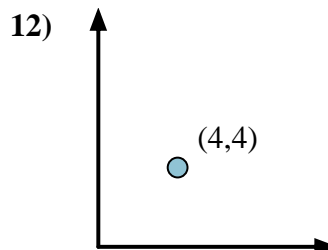
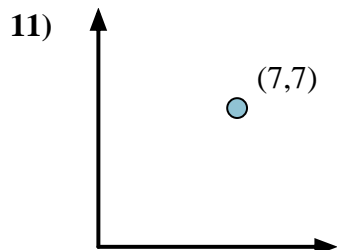
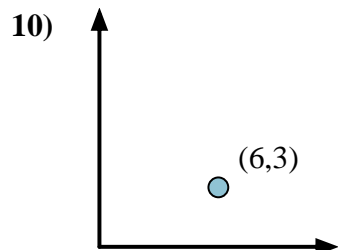
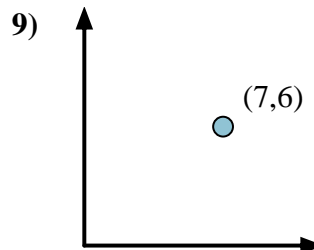
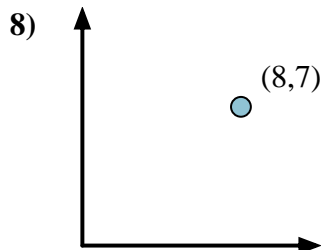
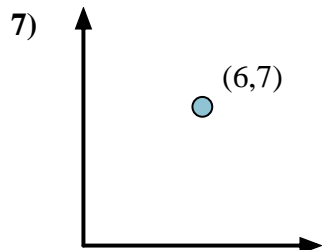
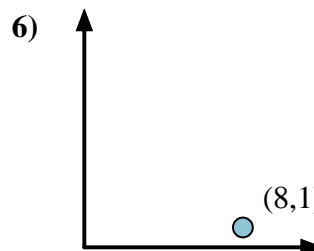
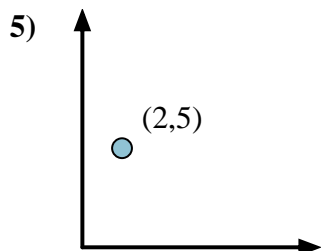
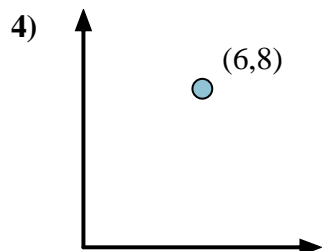
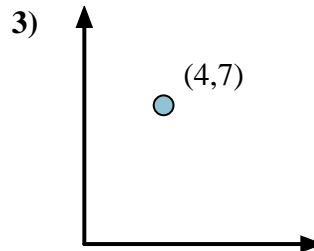
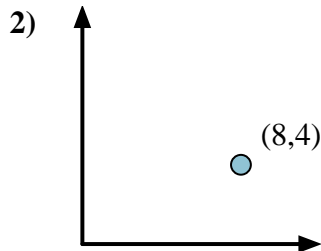
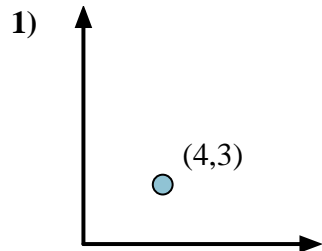


First find the slope.
 $(y_2 - y_1) \div (x_2 - x_1) = m$
 $(5 - 0) \div (4 - 0) = 1.25$

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).

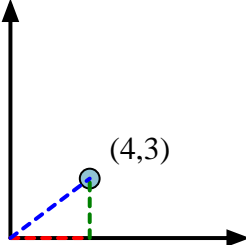
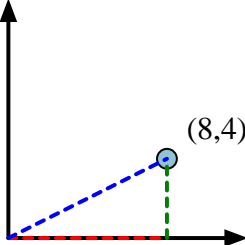
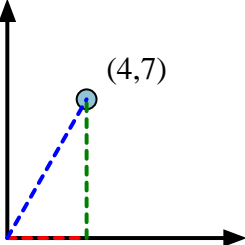
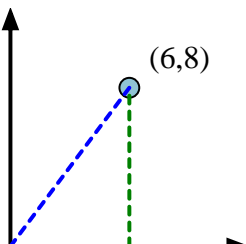
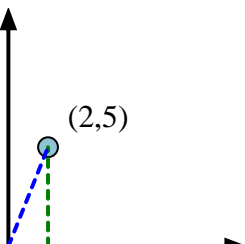
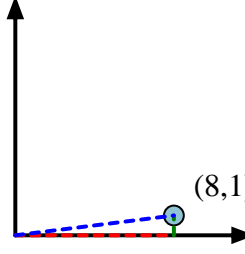
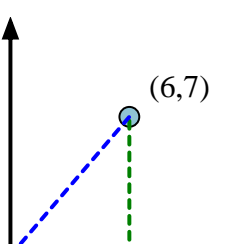
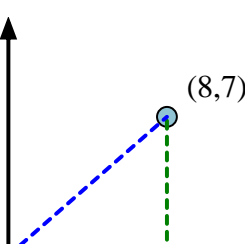
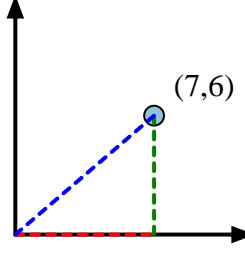
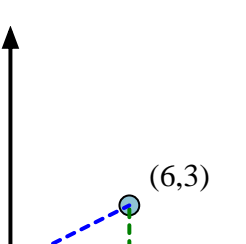
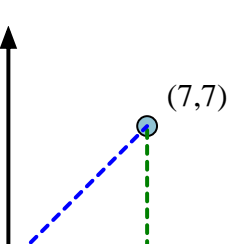
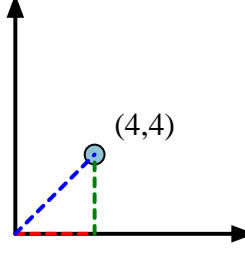


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Answers

- | | | |
|---|---|--|
| 1)  | 2)  | 3)  |
| 4)  | 5)  | 6)  |
| 7)  | 8)  | 9)  |
| 10)  | 11)  | 12)  |

- | | |
|-----|--------------|
| 1. | <u>36.87</u> |
| 2. | <u>26.57</u> |
| 3. | <u>60.26</u> |
| 4. | <u>53.13</u> |
| 5. | <u>68.20</u> |
| 6. | <u>7.13</u> |
| 7. | <u>49.40</u> |
| 8. | <u>41.19</u> |
| 9. | <u>40.60</u> |
| 10. | <u>26.57</u> |
| 11. | <u>45.00</u> |
| 12. | <u>45.00</u> |