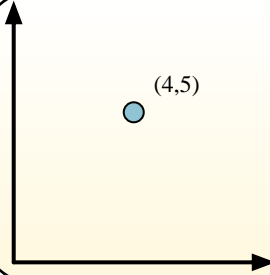


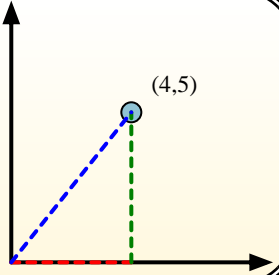


Calculate the angle of the circle relative to (0,0).

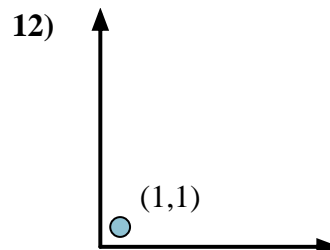
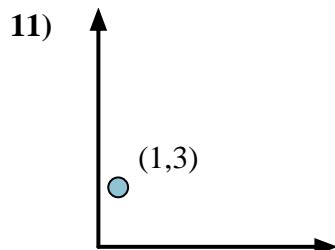
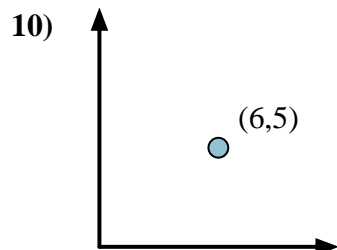
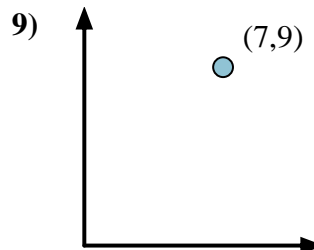
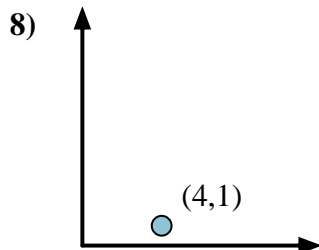
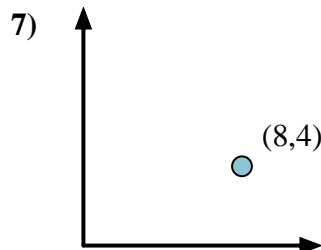
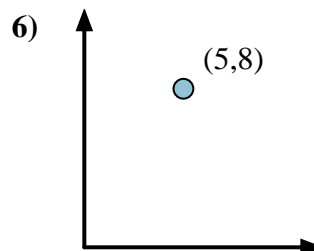
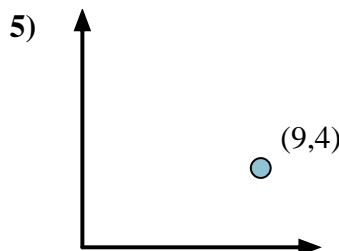
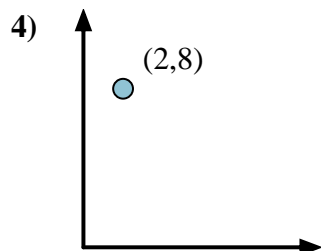
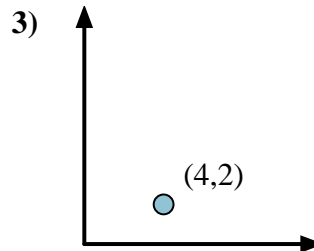
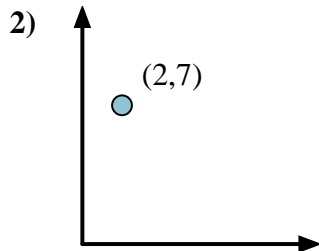
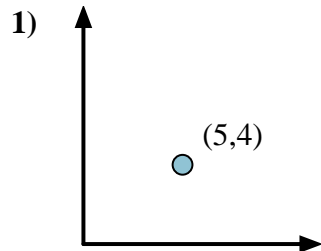


First find the slope.
 $(y_2 - y_1) \div (x_2 - x_1) = m$
 $(5 - 0) \div (4 - 0) = 1.25$

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



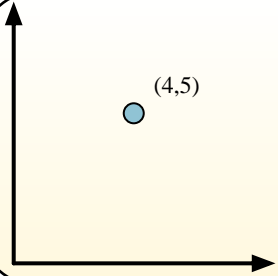
Answers



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

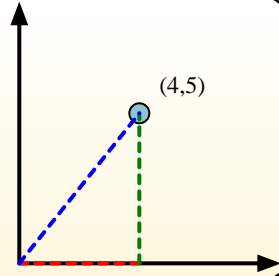


Calculate the angle of the circle relative to (0,0).

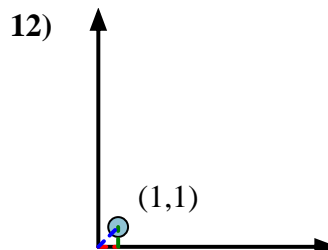
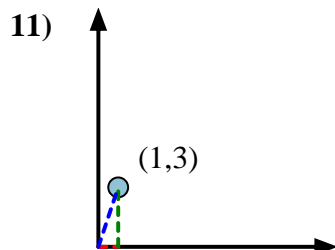
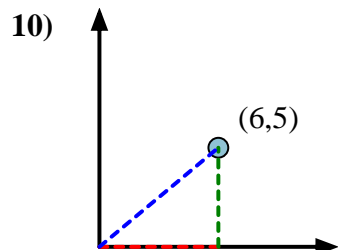
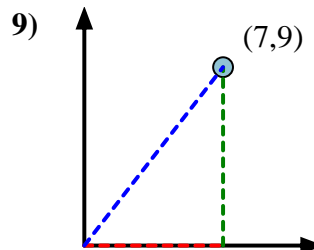
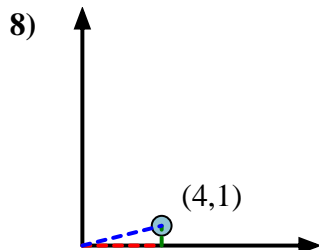
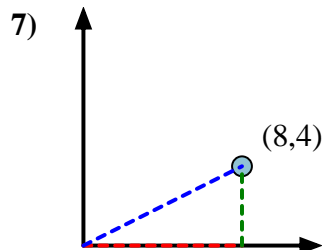
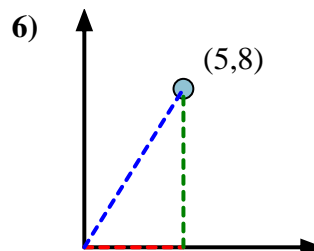
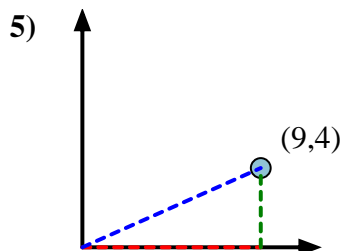
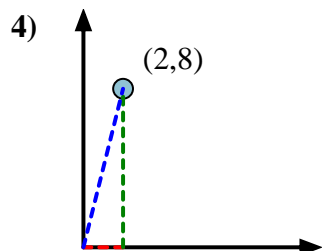
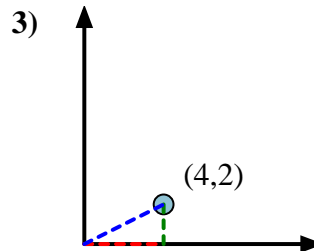
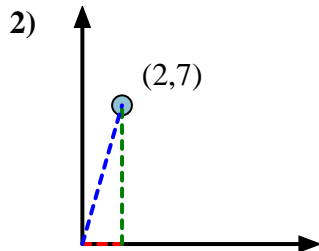
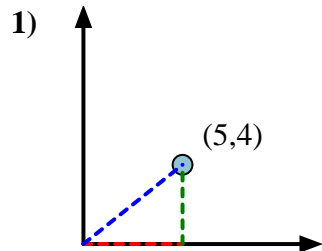


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Answers



1. 38.66
2. 74.05
3. 26.57
4. 75.96
5. 23.96
6. 57.99
7. 26.57
8. 14.04
9. 52.13
10. 39.81
11. 71.57
12. 45.00