

Practice for Q3OBQ6 - Part 1

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Use the information provided to write the standard form equation of each circle.

1) $x^2 + y^2 + 28x - 12y + 231 = 0$

2) $x^2 + y^2 + 22x + 4y + 121 = 0$

3) $x^2 + y^2 - 16x - 4y + 62 = 0$

4) $x^2 + y^2 + 24x - 26y + 312 = 0$

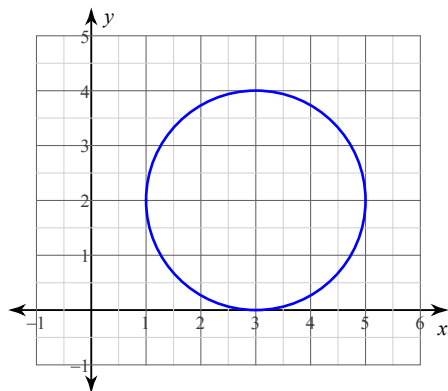
5) Ends of a diameter: (7, 9) and (-9, 11)

6) Ends of a diameter: (15, 14) and (9, 14)

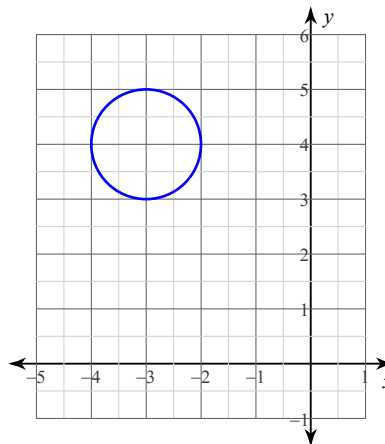
7) Ends of a diameter: (15, 14) and (5, 12)

8) Ends of a diameter: (-15, 8) and (5, -4)

9)



10)



Answers to Practice for Q3OBQ6 - Part 1 (ID: 1)

1) $(x + 14)^2 + (y - 6)^2 = 1$

2) $(x + 11)^2 + (y + 2)^2 = 4$

3) $(x - 8)^2 + (y - 2)^2 = 6$

4) $(x + 12)^2 + (y - 13)^2 = 1$

5) $(x + 1)^2 + (y - 10)^2 = 65$

6) $(x - 12)^2 + (y - 14)^2 = 9$

7) $(x - 10)^2 + (y - 13)^2 = 26$

8) $(x + 5)^2 + (y - 2)^2 = 136$

9) $(x - 3)^2 + (y - 2)^2 = 4$

10) $(x + 3)^2 + (y - 4)^2 = 1$