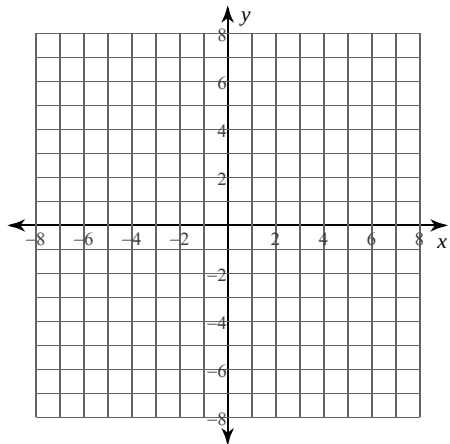


Class Time Examples

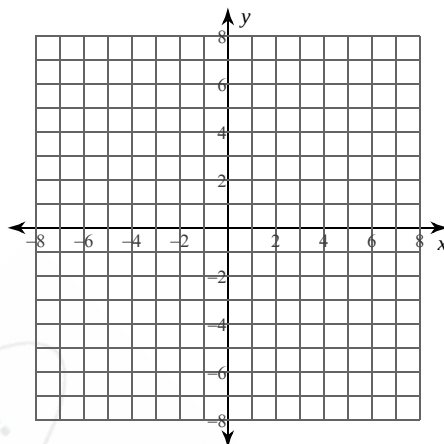
Date _____

Identify the center and radius of each. Then sketch the graph.

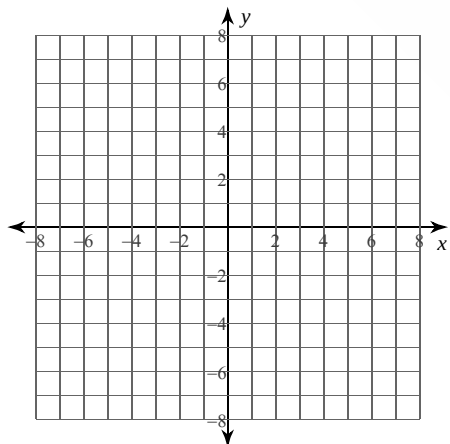
1) $(x - 3)^2 + (y + 2)^2 = 11$



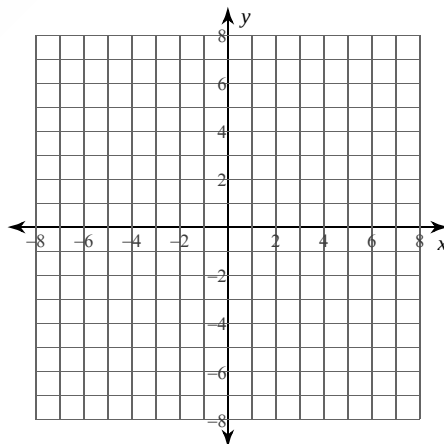
2) $(x + 3)^2 + \left(y + \frac{5}{2}\right)^2 = 1$



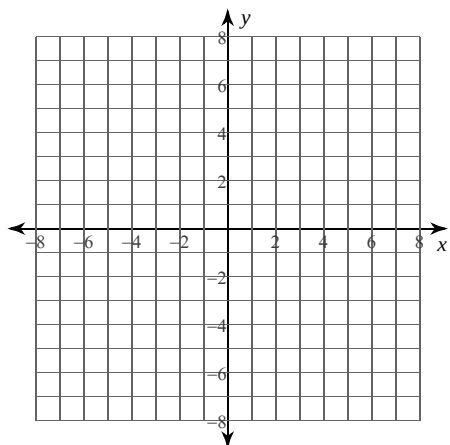
3) $(x + 2)^2 + (y + 3)^2 = 9$



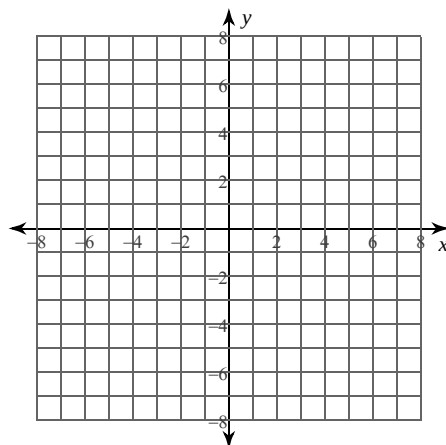
4) $(x - 2)^2 + (y - 3)^2 = 9$



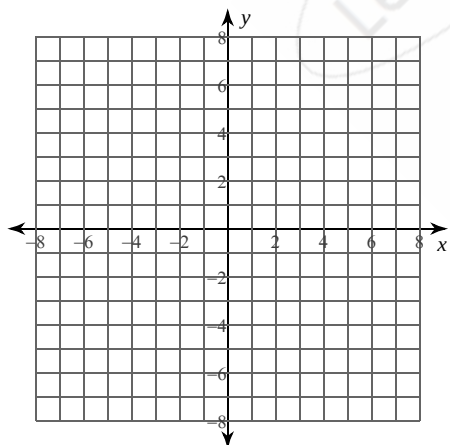
$$5) (x+1)^2 + (y+2)^2 = 16$$



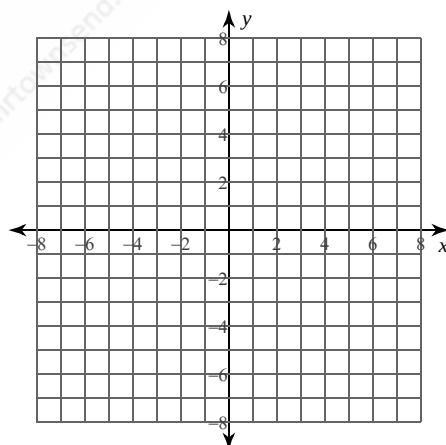
$$6) -6y + x^2 + 4x + y^2 + 12 = 0$$



$$7) (x+1)^2 + (y-4)^2 = 9$$

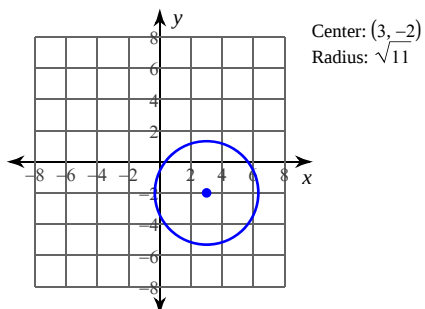


$$8) 4x^2 = -61 - 4y^2 + 16x\sqrt{3} - 28y$$

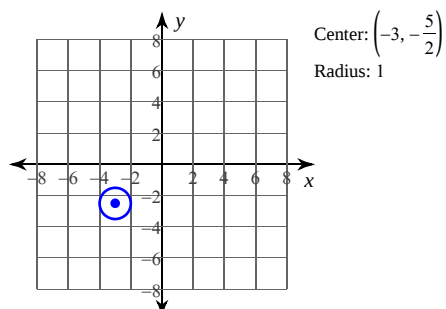


Answers to Class Time Examples

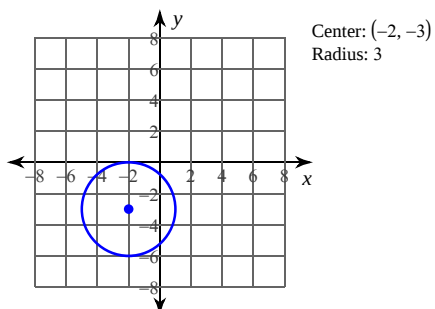
1)



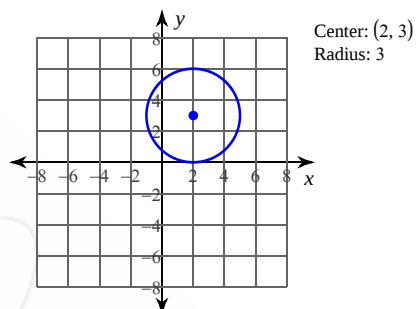
2)



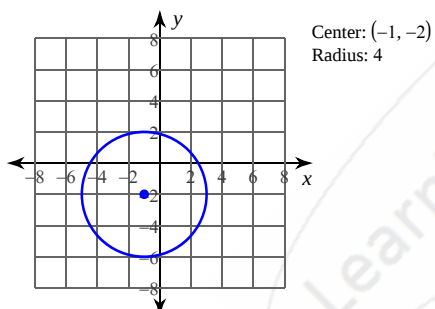
3)



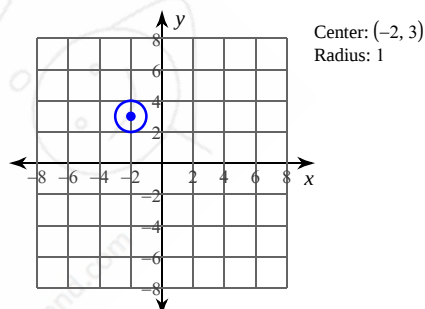
4)



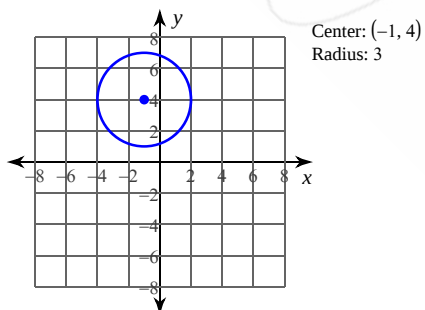
5)



6)



7)



8)

