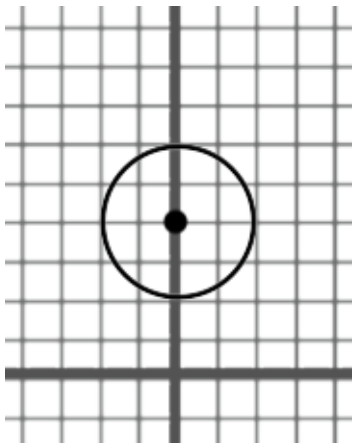


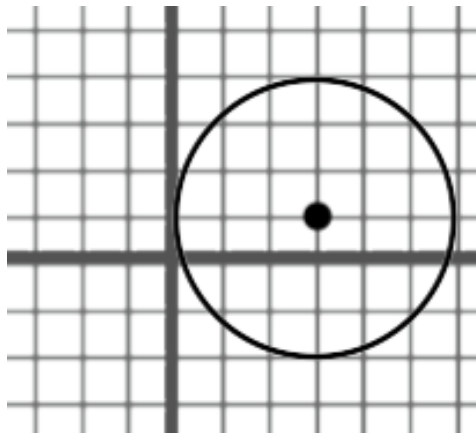
## Geometry Unit 9.5 Worksheet Answers

1.  $(2, -7), r = 9$
2.  $(-3, 0), r = 4\sqrt{3}$
3.  $(0, 0), r = 2$
4.  $(x + 2)^2 + (y - 7)^2 = 64$
5.  $x^2 + (y - 5)^2 = 25$
6.  $(x - 3)^2 + (y - 2)^2 = 8$
7.  $(x + 3)^2 + (y + 4)^2 = 81$
8.  $(x - 1)^2 + (y + 5)^2 = 36$

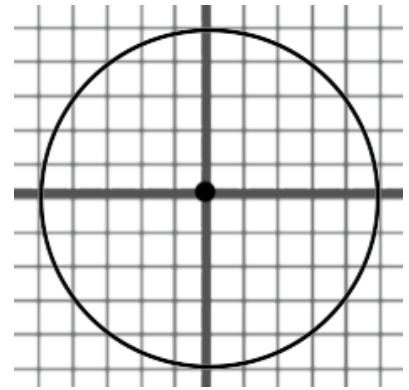
9.



10.



11.



12.  $(x + 13)^2 + (y + 2)^2 = 5$
13.  $(x - 7)^2 + (y - 4)^2 = 85$
14.  $(x + 16)^2 + (y - 13)^2 = 9$
15.  $x^2 + (y - 2)^2 = 4$
16.  $(x + 2)^2 + (y - 2)^2 = 9$
17.  $(x - 1)^2 + (y + 2)^2 = 5$
18.  $(x - 12)^2 + (y - 8)^2 = 25$
19.  $(x - 3.5)^2 + (y - 2)^2 = 42.25$
20.  $(x - 1)^2 + (y + 3)^2 = 20$
21.  $16\pi \approx 50.266 \text{ units}^2$
22.  $164\pi \approx 515.221 \text{ units}^2$
23.  $125\pi \approx 392.699 \text{ units}^2$