

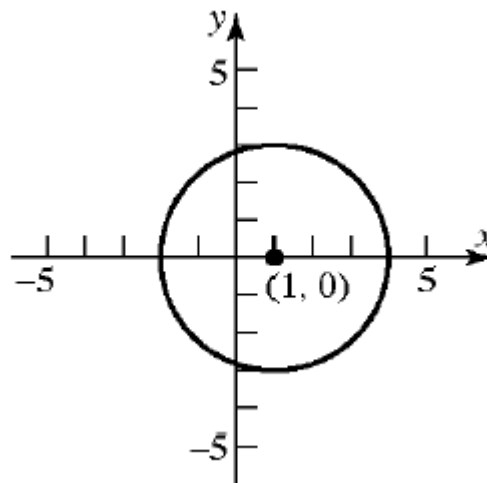
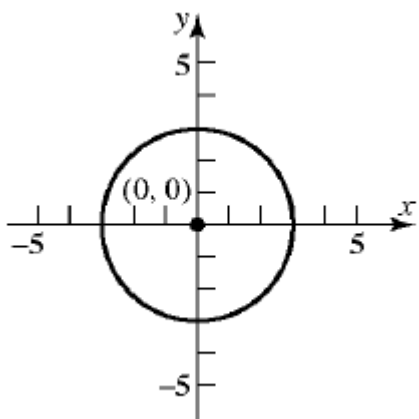
C1L5 Answers

8. $(x - 1)^2 + (y - 2)^2 = 4$

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

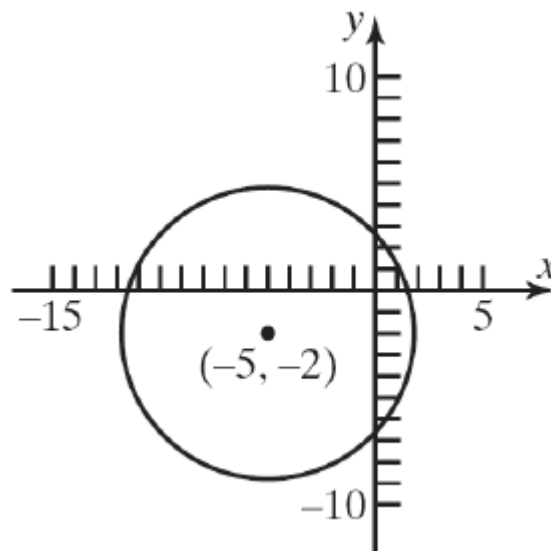
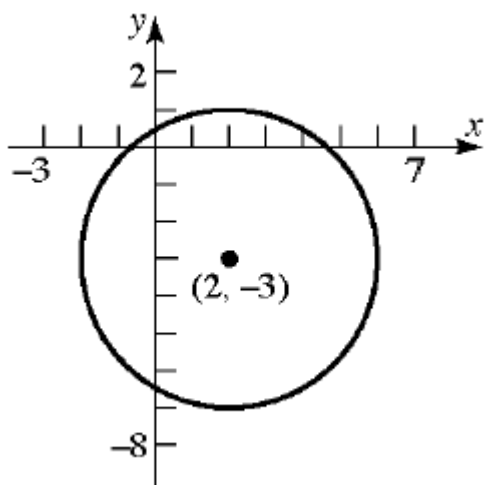
12. $x^2 + y^2 = 9$
 $x^2 + y^2 - 9 = 0$

14. $(x - 1)^2 + y^2 = 9$
 $x^2 + y^2 - 2x - 8 = 0$

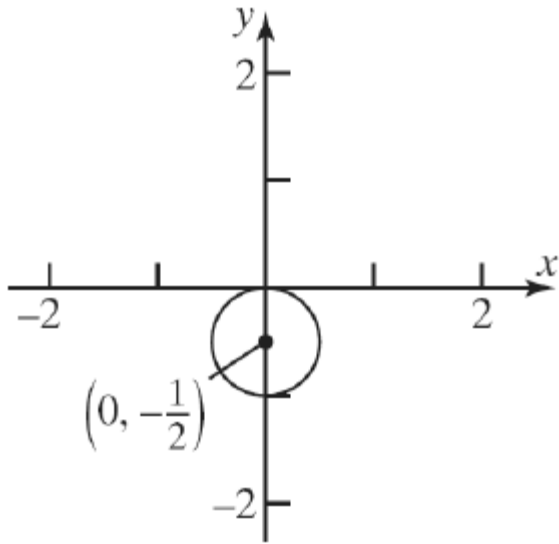


16. $(x - 2)^2 + (y + 3)^2 = 16$
 $x^2 + y^2 - 4x + 6y - 3 = 0$

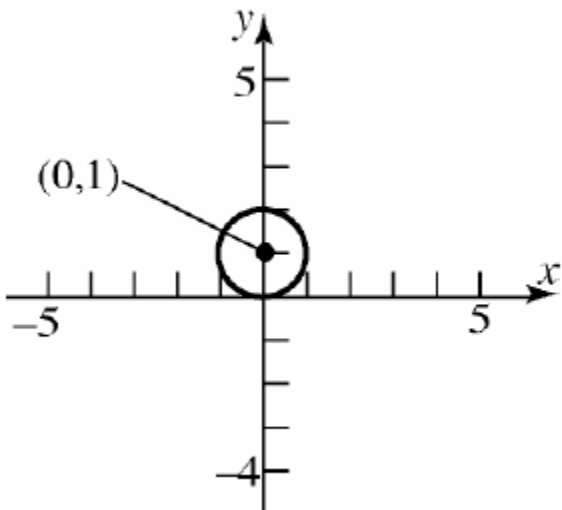
18. $(x + 5)^2 + (y + 2)^2 = 49$
 $x^2 + y^2 + 10x + 4y - 20 = 0$



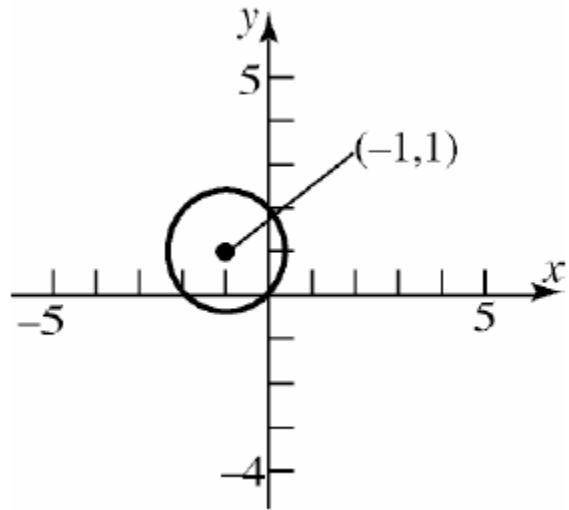
20. $x^2 + \left(y + \frac{1}{2}\right)^2 = \frac{1}{4}$
 $x^2 + y^2 + y = 0$



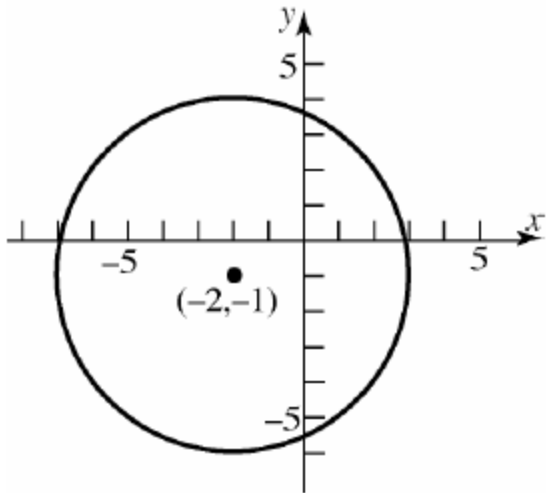
22. C: $(0, 1)$ $r = 1$
 x-int: $(0, 0)$
 y-int: $(0, 2)$ $(0, 0)$



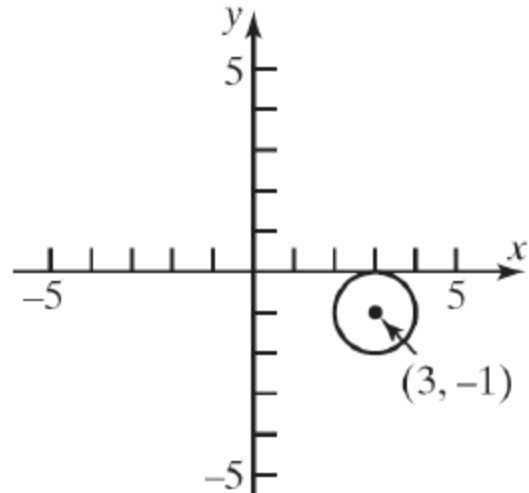
24. C: $(-1, 1)$ $r = \sqrt{2}$
 x-int: $(0, 0)$ $(-2, 0)$
 y-int: $(0, 2)$ $(0, 0)$



26. C: $(-2, -1)$ $r = 5$
 x-int: $(-2 \pm 2\sqrt{6}, 0)$
 y-int: $(0, -1 \pm \sqrt{21})$



28. C: $(3, -1)$ $r = 1$
 x-int: $(3, 0)$
 y-int: none



36. $(x - 1)^2 + y^2 = 20$

38. $(x + 3)^2 + (y - 1)^2 = 9$

40. $(x - 2)^2 + (y - 2)^2 = 5$

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

43. c

44. d

45. b

46. a

47. Area = 18 un^2

48. Area = $36\pi - 72$

50. $x^2 + (y - 90)^2 = 5625$