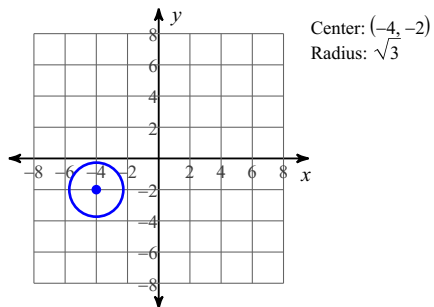
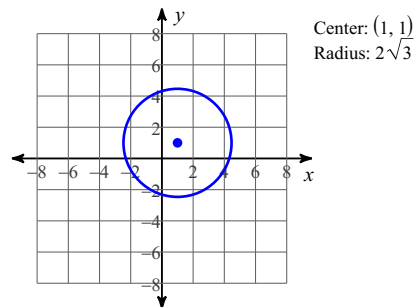


Answers to Worksheet 44 - Conic Sections

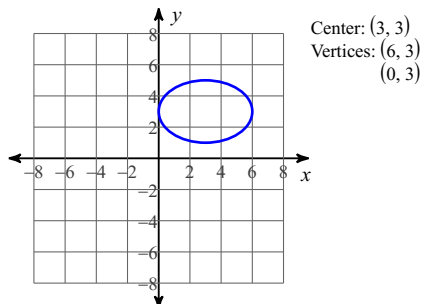
1)



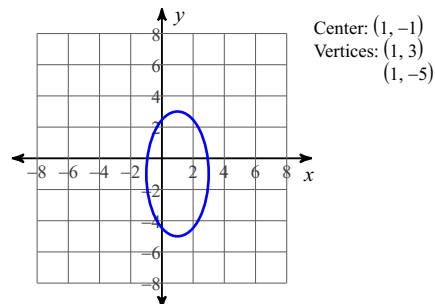
2)



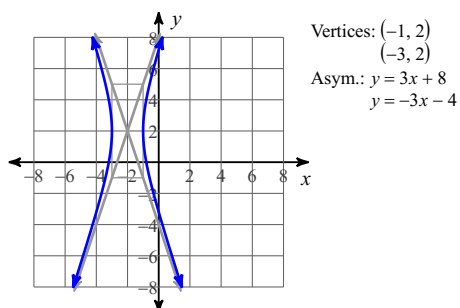
3)



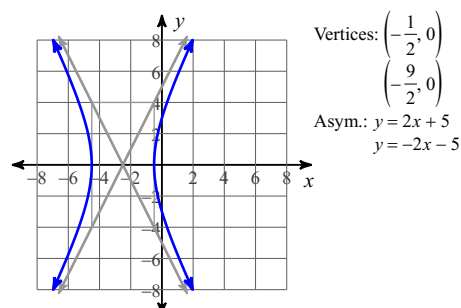
4)



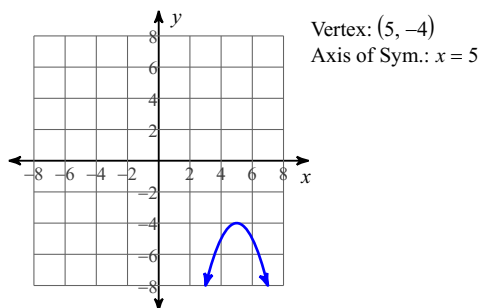
5)



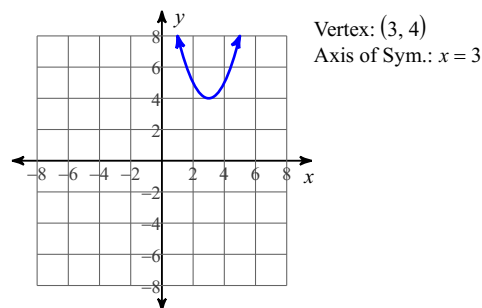
6)



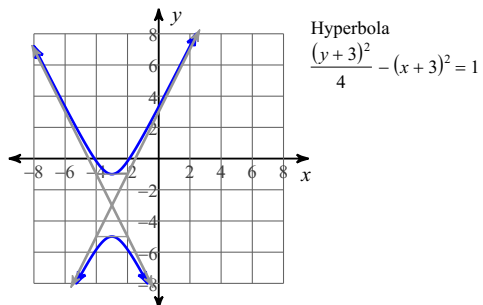
7)



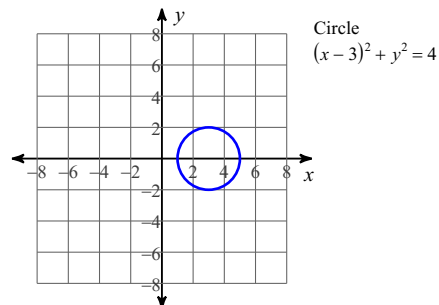
8)



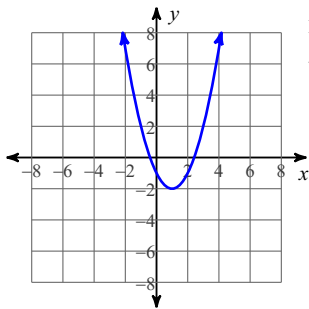
9)



10)

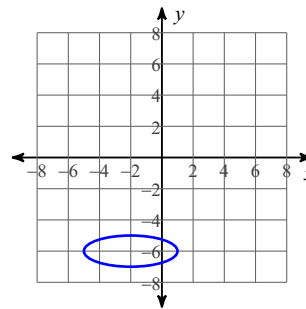


11)



Parabola
 $y = (x - 1)^2 - 2$

12)



Ellipse
 $\frac{(x + 2)^2}{9} + (y + 6)^2 = 1$

13) $16u^8 - 32u^6 + 24u^4 - 8u^2 + 1$

14) $y^5 + 15y^4x^3 + 90y^3x^6 + 270y^2x^9 + 405yx^{12} + 243x^{15}$

15) $-280x^4y^9$

16) $560x^3y^{16}$

17) $\left\{ -\frac{\pi}{4} - \pi n, -\frac{7\pi}{12} - \pi n \right\}$

18) $\left\{ -\frac{5\pi}{24} + \frac{\pi n}{2} \right\}$