

Answer Key

Practice B

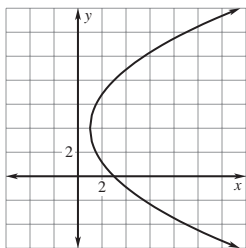
1. $(x + 3)^2 + (y - 1)^2 = 4$

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

3. $\frac{(x + 3)^2}{4} + \frac{(y - 1)^2}{1} = 1$

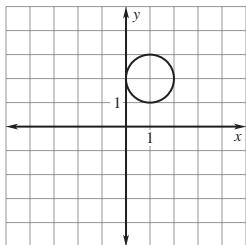
4. $\frac{y^2}{16} - \frac{(x - 8)^2}{20} = 1$

5.



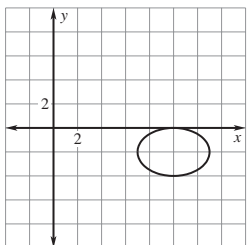
vertex: (1, 4);
focus: (3, 4)

6.



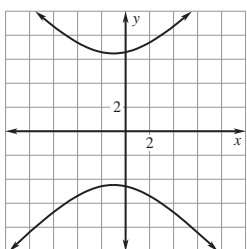
center: (1, 2);
radius = 1

7.



center: (10, -2);
vertices: (7, -2),
(13, -2);
foci: $(10 + \sqrt{5}, -2)$,
 $(10 - \sqrt{5}, -2)$

8.

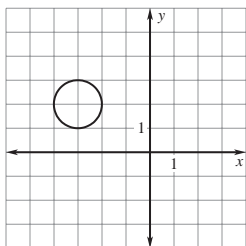


center: (-1, 1);
vertices: $(-1, 1 + \sqrt{30})$, $(-1, 1 - \sqrt{30})$;
foci: $(-1, 1 + \sqrt{55})$, $(-1, 1 - \sqrt{55})$

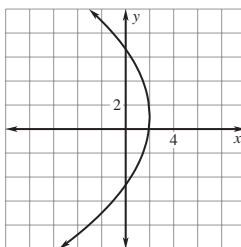
9. hyperbola 10. parabola 11. parabola

12. ellipse 13. circle 14. hyperbola

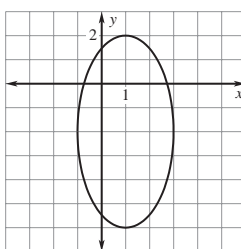
15. $(x + 3)^2 + (y - 2)^2 = 1$;



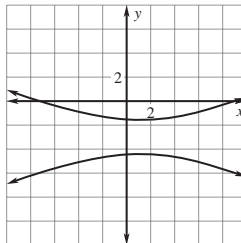
16. $(y - 1)^2 = -16(x - 2)$;



17. $\frac{(x - 1)^2}{4} + \frac{(y + 2)^2}{16} = 1$;



18. $\frac{(y + 3)^2}{2} - \frac{(x - 1)^2}{18} = 1$;



19. $\frac{(y - 20)^2}{200} - \frac{x^2}{32} = 1$;

