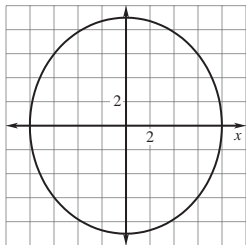


Answer Key

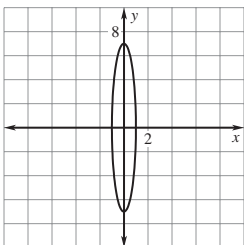
Practice B

1.



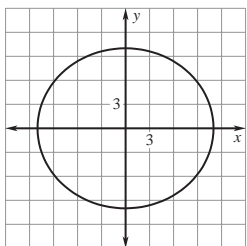
vertices: $(0, \pm 9)$;
co-vertices: $(\pm 8, 0)$;
foci: $(0, \pm \sqrt{17})$

2.



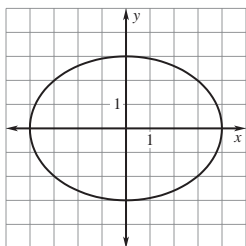
vertices: $(0, \pm 7)$;
co-vertices: $(\pm 1, 0)$;
foci: $(0, \pm 4\sqrt{3})$

3.



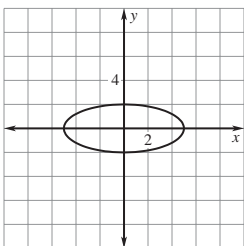
vertices: $(\pm 11, 0)$;
co-vertices: $(0, \pm 10)$;
foci: $(\pm \sqrt{21}, 0)$

4. $\frac{x^2}{16} + \frac{y^2}{9} = 1$;



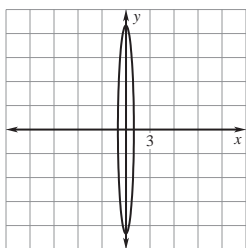
vertices: $(\pm 4, 0)$;
co-vertices: $(0, \pm 3)$;
foci: $(\pm \sqrt{7}, 0)$

5. $\frac{x^2}{25} + \frac{y^2}{4} = 1$;



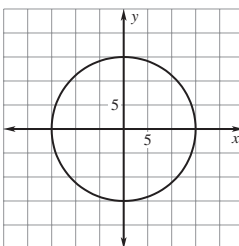
vertices: $(\pm 5, 0)$;
co-vertices: $(0, \pm 2)$;
foci: $(\pm \sqrt{21}, 0)$

6. $\frac{x^2}{1} + \frac{y^2}{169} = 1$;

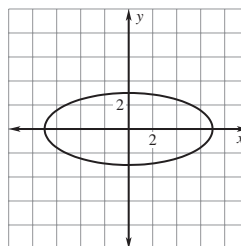


vertices: $(0, \pm 13)$;
co-vertices: $(\pm 1, 0)$;
foci: $(0, \pm 2\sqrt{42})$

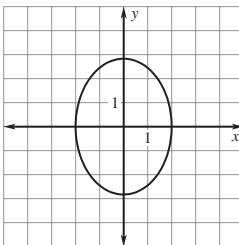
7.



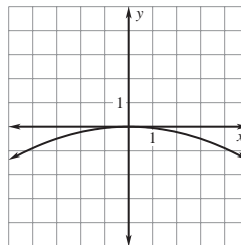
8.



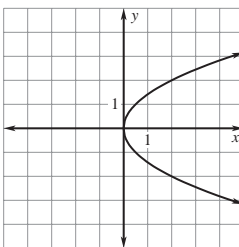
9.



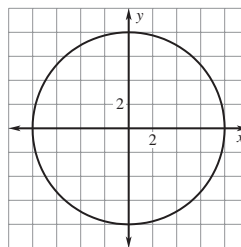
10.



11.



12.



13. $\frac{x^2}{9} + \frac{y^2}{36} = 1$ 14. $\frac{x^2}{4} + \frac{y^2}{16} = 1$

15. $\frac{x^2}{49} + \frac{y^2}{16} = 1$ 16. $\frac{x^2}{1} + \frac{y^2}{4} = 1$

17. $\frac{x^2}{9} + \frac{y^2}{36} = 1$ 18. $\frac{x^2}{36} + \frac{y^2}{4} = 1$

19. $\frac{x^2}{(57.95)^2} + \frac{y^2}{(56.71)^2} = 1$

20. $\frac{x^2}{16} + \frac{y^2}{36} = 1$;

