

1. Center (0, 0)
Vertices $(\pm 3, 0)$
Foci $(\pm \sqrt{34}, 0)$
Asymptotes $y = \pm \frac{5}{3}x$

2. Center (0, 0)
Vertices $(0, \pm 4)$
Foci $(0, \pm 2\sqrt{13})$
Asymptotes $y = \pm \frac{2}{3}x$

3. Center (0, 0)
Vertices $(\pm 2, 0)$
Foci $(\pm \sqrt{13}, 0)$
Asymptotes $y = \pm \frac{3}{2}x$

4. Center (0, 0)
Vertices $(0, \pm 1)$
Foci $(0, \pm \sqrt{5})$
Asymptotes $y = \pm \frac{1}{2}x$

5. Center $(-4, -3)$
Vertices $(-1, -3)$ and $(-7, -3)$
Foci $(1, -3)$ and $(-9, -3)$
Asymptotes $y + 3 = \pm \frac{4}{3}(x + 4)$

6. Center $(1, -2)$
Vertices $(1, 0)$ and $(1, -4)$
Foci $(1, -2 \pm 2\sqrt{5})$
Asymptotes $y + 2 = \pm \frac{1}{2}(x - 1)$

7. Center $(3, -3)$
Vertices $(5, -3)$ and $(1, -3)$
Foci $(3 \pm \sqrt{5}, -3)$
Asymptotes $y + 3 = \pm \frac{1}{2}(x - 3)$

8. Center $(-1, 2)$
Vertices $(-1, 8)$ and $(-1, -4)$
Foci $(-1, 2 \pm \sqrt{85})$
Asymptotes $y - 2 = \pm \frac{6}{7}(x + 1)$

9. $\frac{x^2}{9} - \frac{y^2}{25} = 1$

10. $\frac{y^2}{4} - \frac{x^2}{9} = 1$

11. $\frac{(x-2)^2}{4} - \frac{(y+3)^2}{9} = 1$

12. $y^2 - \frac{x^2}{8} = 1$

13. $\frac{x^2}{9} - \frac{y^2}{7} = 1$

14. $\frac{y^2}{36} - \frac{x^2}{9} = 1$