

10-5A Practice

Form G

Find the equation of a hyperbola with the given values, foci, or vertices. Assume that the transverse axis is horizontal.

1. $a = 7, b = 2$

2. $a = 12, b = 11$

9. foci $(\pm 9, 0)$, vertices $(\pm 4, 0)$

10. foci $(\pm 8, 0)$, vertices $(\pm 2, 0)$

Write the equation of a hyperbola with the given foci and vertices.

20. foci $(\pm 7, 0)$, vertices $(\pm 3, 0)$

21. foci $(0, \pm 12)$, vertices $(0, \pm 10)$

22. foci $(0, \pm 3)$, vertices $(0, \pm 2)$

23. foci $(\pm 9, 0)$, vertices $(\pm 5, 0)$

