

10-4 Practice

Ellipses

Form G

Find the distance between the foci of an ellipse. The lengths of the major and minor axes are listed.

15. 10 and 8

16. 20 and 16

17. 30 and 16

18. 40 and 20

Write an equation of an ellipse for the given foci and co-vertices.

19. foci $(\pm 5, 0)$, co-vertices $(0, \pm 2)$

20. foci $(0, \pm 2)$, co-vertices $(\pm 1, 0)$

21. foci $(\pm 1, 0)$, co-vertices $(0, \pm 2)$

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