

15. 10 and 8 **6**

16. 20 and 16 **12**

17. 30 and 16  **$2\sqrt{161}$**

18. 40 and 20  **$20\sqrt{3}$**

19. . foci  $(\pm 5, 0)$ , co-vertices  $(0, \pm 2)$   **$\frac{x^2}{25} + \frac{y^2}{4} = 1$**

20. foci  $(0, \pm 2)$ , co-vertices  $(\pm 1, 0)$   **$x^2 + \frac{y^2}{5} = 1$**

21. . foci  $(\pm 1, 0)$ , co-vertices  $(0, \pm 2)$   **$\frac{x^2}{5} + \frac{y^2}{4} = 1$**

22. foci  $(0, \pm 3)$ , co-vertices  $(\pm 3, 0)$   **$\frac{x^2}{9} + \frac{y^2}{18} = 1$**