

Answer Key

Practice A

1. 5; $(2, \frac{3}{2})$ 2. 5; $(3, \frac{5}{2})$
3. $\sqrt{37} \approx 6.08$; $(5, \frac{11}{2})$ 4. 5; $(\frac{11}{2}, 4)$
5. $5\sqrt{2} \approx 7.07$; $(-\frac{1}{2}, \frac{1}{2})$
6. $\sqrt{13} \approx 3.61$; $(4, -\frac{1}{2})$
7. 5; $(-\frac{5}{2}, -1)$ 8. $\sqrt{82} \approx 9.06$; $(\frac{1}{2}, -\frac{1}{2})$
9. $5\sqrt{2} \approx 7.07$; $(-\frac{5}{2}, -\frac{1}{2})$
10. $2\sqrt{53} \approx 14.56$; $(-3, 1)$
11. $2\sqrt{13} \approx 7.21$; $(1, 1)$
12. $2\sqrt{17} \approx 8.25$; $(1, 4)$ 13. isosceles
14. isosceles 15. scalene 16. $y = -x + 7$
17. $y = x + 3$ 18. $y = -\frac{3}{2}x + \frac{21}{4}$
19. $y = \frac{2}{3}x + \frac{31}{6}$ 20. $y = -\frac{3}{4}x + \frac{11}{2}$
21. $y = -2x - 10$ 22. 4, 6 23. 0, -2
24. -1, 7 25. 0, 8 26. $(-16, -20)$
27. $(0, 28)$ 28. about 50.6 mi