

Answer Key

Practice B

1. yes 2. yes 3. no

4. $\left(\frac{\sqrt{14}}{7}, \frac{2\sqrt{14}}{7}\right), \left(-\frac{\sqrt{14}}{7}, -\frac{2\sqrt{14}}{7}\right)$

5. $(2\sqrt{2}, 1), (2\sqrt{2}, -1), (-2\sqrt{2}, 1),$
 $(-2\sqrt{2}, -1)$ 6. $(\sqrt{2}, \sqrt{2}), (-\sqrt{2}, -\sqrt{2})$

7. $\left(\frac{12}{5}, \frac{16}{5}\right), (-4, 0)$ 8. $(2, 2), (-4, 8)$

9. $\left(1, \frac{1}{2}\right), \left(9, -\frac{3}{2}\right)$ 10. $(0, 1), (0, -1), (-4, 1),$

$(-4, -1)$ 11. $(0, 0), (0, -4),$

$\left(-\frac{10}{3}, \frac{-6 + 2\sqrt{14}}{3}\right), \left(-\frac{10}{3}, \frac{-6 - 2\sqrt{14}}{3}\right)$

12. $(-1, -1), (3, 7)$

13. $\left(-\frac{\sqrt{3}}{2}, \frac{3}{2}\right), \left(\frac{\sqrt{3}}{2}, \frac{3}{2}\right)$ 14. $(-3, -3)$

15. none 16. 563.5 ft by 773 ft or 386.5 ft by 1127 ft