

Answer Key

Practice C

1. no 2. yes 3. yes
4. $(-2 + \sqrt{21}, 7 - 2\sqrt{21})$,
 $(-2 - \sqrt{21}, 7 + 2\sqrt{21})$ 5. $(5, \frac{25}{2}), (-1, \frac{1}{2})$
6. $(0, 0), (2, 1)$ 7. $(3, 4), (5, 0)$
8. $(-4, \frac{4}{3}), (2, \frac{1}{3})$ 9. $(-\frac{8}{5}, -\frac{3}{5}), (0, 1)$
10. $(0, 2)$ 11. $(0, 1), (\sqrt{5}, 6), (-\sqrt{5}, 6)$
12. $(2, 4), (2, 2)$ 13. $(-10, 12)$ 14. none
15. $(2, 0)$
16. yes; about 3.12 ft by 3.12 ft by 1.64 ft or 2 ft by 2 ft by 4 ft