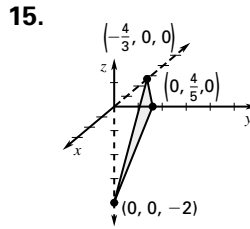
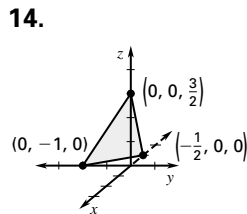
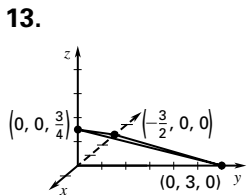
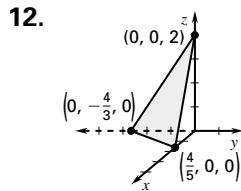
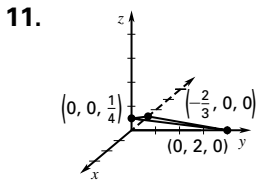
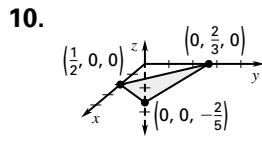
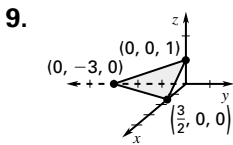
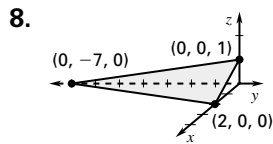
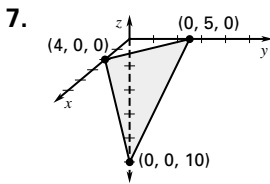
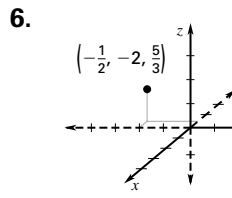
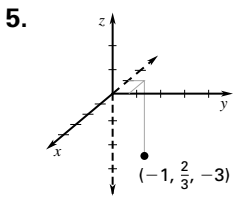
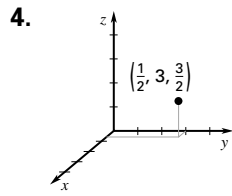
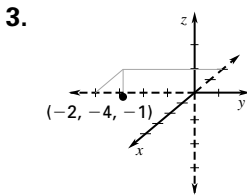
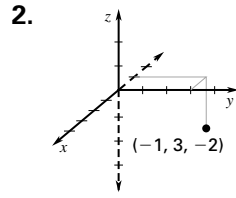
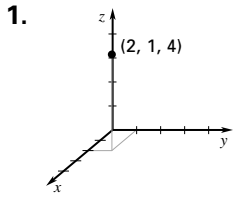


# Answer Key

## Practice C



16.  $f(x, y) = 4 - 2x + \frac{2}{3}y; 6$

17.  $f(x, y) = \frac{1}{4} - \frac{1}{2}x + \frac{1}{4}y; \frac{1}{4}$

18.  $f(x, y) = \frac{3}{4} + \frac{3}{4}x + \frac{1}{2}y; 0$

19.  $f(x, y) = \frac{3}{2} - \frac{1}{6}x - \frac{1}{3}y; \frac{2}{3}$

20.  $f(x, y) = 2 + 5x + 3y; \frac{21}{2}$

21.  $f(x, y) = -7 - \frac{3}{2}x + \frac{7}{2}y; -\frac{19}{6}$

In Exercises 22–24, sample answers are given.

22.  $3x + 2y + 3z = 6$

23.  $-10x + 15y + 6z = 30$

24.  $10x + 5y - 2z = 5$

25.  $f(x, y) = 3x + y; 7$  points

26.  $f(x, y) = 14.95 + 6.95x + 24.95 + 10(y - 2) = 19.90 + 6.95x + 10y; \$73.80$

27.  $3x + 2y + z = 38,387; 4129$  3-point shots