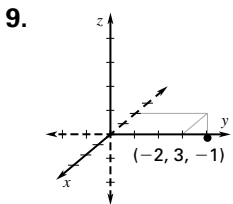
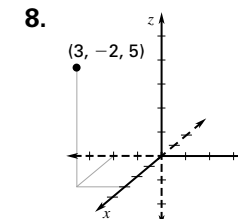
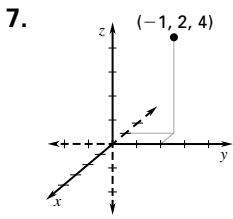
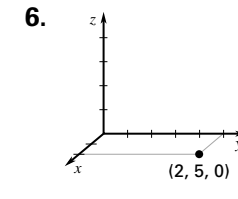
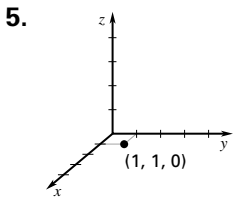
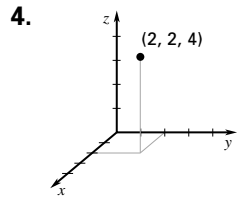
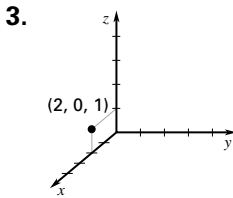
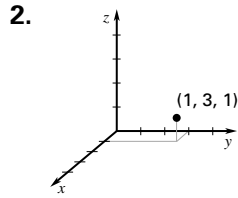
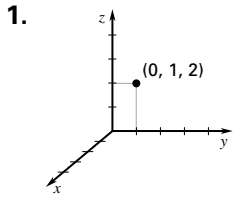


Answer Key

Practice A



10. x -intercept: 4
 y -intercept: 4
 z -intercept: 4
11. x -intercept: 3
 y -intercept: 6
 z -intercept: 2
12. x -intercept: 4
 y -intercept: 3
 z -intercept: 2
13. x -intercept: 10
 y -intercept: -4
 z -intercept: 20
14. x -intercept: 2
 y -intercept: 7
 z -intercept: $-\frac{2}{3}$
15. x -intercept: $\frac{3}{4}$
 y -intercept: 9
 z -intercept: -3
16. 13 17. 18 18. 0 19. 3 20. 17
21. 27 22. 1 23. -26 24. -2
25. $f(x, y) = 12 - 2x - 3y$
26. $f(x, y) = 1 - 3x + 2y$
27. $f(x, y) = x - 3y - 8$
28. $f(x, y) = 5x + 2y - 4$
29. $f(x, y) = 9 - 7x + 8y$
30. $f(x, y) = 6x + y$
31. A: (2, 0, 0) B: (2, 4, 0)
 C: (0, 4, 5) D: (2, 0, 5)
32. A: (0, 0, 2) B: (0, 6, 2)
 C: (0, 6, 0) D: (4, 6, 0)
33. $z = 18x + 12y + 50$; Answers may vary.

Sample:

x	1	0	1	2	1
y	0	1	1	1	2
z	68	62	80	98	92