

## Answer Key

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### Practice C

1.  $(5, 2, -6)$  2.  $(\frac{1}{2}, -1, -\frac{3}{2})$  3. no solution
4.  $(1, -4, -2)$  5.  $(1, 1, 1)$
6. All points of the form  $(-\frac{4}{13}z + \frac{34}{13}, \frac{7}{13}z - \frac{14}{13}, z)$
7.  $(\frac{1}{2}, 0, 2)$  8.  $(\frac{1}{3}, \frac{2}{3}, -\frac{1}{3})$  9.  $(-\frac{5}{76}, -\frac{3}{38}, \frac{49}{76})$
10.  $(-\frac{1}{2}, \frac{2}{3}, 1)$  11.  $(\frac{5}{3}, -\frac{1}{3}, \frac{1}{4})$
12. All points of the form  $(-z, z + 2, z)$
13.  $(7, -8, \frac{17}{4}, -\frac{9}{4})$  14.  $(2, -1, 3, 2)$
15.  $a - b + c = -3$  16.  $4a + 2b + c = 12$
17.  $a + b + c = 3, a - b + c = -3,$   
 $4a + 2b + c = 12, a = 2, b = 3, c = -2$
18.  $y = 2x^2 + 3x - 2$