# Answer Key

Practice • Solving Systems of Equations Algebraically Form A

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**1)** no solution

**2)** $(-1, 10)$

**3)** infinitely many

**4A)** $a + b = 79;\ 12.41a + 8.62b = 825;\ a = 38,\ b = 41$

**4B)** 38
471.58
41
353.42

**5)** $(2,\ 1)$

**6)** $\left(-\frac{1}{2}, \frac{3}{2}\right)$

**7)** infinitely many

**8)** no solution

**9)** $(-3, -5)$

**10)** $\left(\frac{1}{3}, \frac{2}{3}\right)$

**11)** 1
3

**12A)** $x + y = 13;\ 2x + 10y = 54$

**12B)** 7
4
7
4

**13)** Answers may vary.

**14)** Answers may vary.