

$$\bullet$$

$$3/2X + 5/2Y = 7/4$$

$$1/2X - 1/3Y = 9$$

$$3/2X + 5/2Y = 7/4 \quad 1/2X - 1/3Y = 9$$

$$3/2X = 7/4 - 5/2Y \quad 1/2X = 9 + 1/3Y$$

$$X = 7/6 - 5/3Y \quad X = 18 + 2/3Y$$

$$7/6 - 5/3Y = 18 + 2/3Y$$

$$7/6 - 5/3Y = 18 + 2/3Y$$

$$-5/3Y - 2/3Y = 18 - 7/6$$

$$-15/3 - 6/3 = -21/3$$

$$-7$$

$$-7Y = 18 - 7/6$$

$$-7Y = 101/6$$

$$Y = -101/42$$

$$X = 18 + 2/3Y$$

$$X = 18 + 2/3(-101/42)$$

$$X = 18 - 101/63$$

$$X = 1134/63 - 101/63$$

$$X = 1033/63$$

$$1/2X + 7Y = 1/2x + 3$$

$$-1/9X + 5/3Y = 1/2$$

$$1/2X + 7Y = 1/2x + 3 \quad -1/9X + 5/3Y = 1/2$$

$$1/2X - 1/2X = 3 - 7Y - 1/9X - 1/2 = 5/3Y$$

$$-3 = -7Y \quad Y = -3/45X - 3/10 = Y$$

$$-3/7 = -Y$$

$$Y = 3/7$$

$$3/7 = -3/45X - 10$$

$$3/7 + 3/10 = -3/35X$$

$$30/70 + 21/70 = 51/70$$

$$51/70 = 3-45X$$

$$**X = 2295/210**$$

$$7/4X + 7/2Y = -1/2Y + 9/2$$

$$1/2X + 3/9Y = 1/3$$

$$7/4X + 7/2Y = -1/2Y + 9/2 \quad 1/2X + 3/9Y = 1/3$$

$$7/4X = -1/2Y - 7/2Y + 9/2 \quad 1/2X = 1/3 - 3/9Y$$

$$7/4X = -8Y + 9/2 \quad **X = 2/3 - 2/3Y**$$

$$**X = -32/7Y + 18/7**$$

$$-32/7Y + 18/7 = 2/3 - 2/3Y$$

$$-32/7Y + 2/3Y = 2/3 - 18/7$$

$$-82/21Y = -40/21$$

$$-Y = 20/41$$

$$**Y = -20/41**$$

$$X = 2/3 - 2/3Y$$

$$X = 2/3 - 2/3(-20/41)$$

$$X = 2/3 - 40/123$$

$$**X = 126/369**$$

$$2X + 3/2Y = 7$$

$$1/2X - 1/2Y = -9$$

$$2X + 3/2Y = 7 \quad 1/2X - 1/2Y = -9$$

$$2X = 7 - 3/2Y \quad 1/2X = -9 + 1/2Y$$

$$**X = 7/2 - 3/4Y \quad X = -18 + Y**$$

$$7/2 - 3/4Y = -18 + Y$$

$$-3/4Y - Y = -18 - 7/2$$

$$-7/4Y = -43/2$$

$$Y = 86/7$$

$$X = -18 + Y$$

$$X = -18 + 86/7$$

$$X = -40/7$$

$$1/2X + 1/9Y = 3$$

$$-3/2X + 1/9Y = 1/5Y + 1$$

$$1/2X + 1/9Y = 3 \quad -3/2X + 1/9Y = 1/5Y + 1$$

$$1/2X = 3 - 1/9Y \quad -3/2X = 1/5Y - 1/9Y + 1$$

$$X = 6 - 2/9Y \quad -3/2X = 4/45Y + 1$$

$$-X = -8/135Y - 2/3$$

$$X = 8/135Y + 2/3$$

$$6 - 2/9Y = 8/135Y + 2/3$$

$$-2/9Y - 8/135Y = 2/3 - 6$$

$$-38/135Y = -16/3$$

$$Y = 360/19$$

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