

Find the exact solution that satisfies each equation.

1. $\left(\frac{9}{4} - \frac{7}{3}P\right) = \left(\frac{5}{12}\right)12$

$$27 - 28P = 5$$

$$-28P = -22$$

$$P = \frac{22}{28}$$

$$\left(\frac{11}{14}\right)$$

2. $\left(\frac{2}{9}C - \frac{11}{4}\right) = \left(-\frac{13}{12}\right)36$

$$8C - 99 = -39$$

$$8C = 60$$

$$C = \frac{60}{8}, \frac{15}{2}$$

3. $3w - 5(2w + 4) - 9 = w - 7 + 2w + 3$

$$3w - 10w - 20 - 9 = w - 7 + 2w + 3$$

$$-7w - 29 = 3w - 4$$

$$-29 = 10w - 4$$

$$-25 = 10w$$

$$w = \frac{-25}{10}$$

$$\left(\frac{-5}{2} \right)$$