Solving Linear Equations with Fractions

Solve each equation for $x$:

1) \( \frac{7}{10}(x - 1) + \frac{4}{5} = \frac{2}{3}x + \frac{1}{3} \)

2) \( \frac{2}{9}x - 2 = 3(x - 4) + \frac{8}{9} \)

3) \( 3x - \frac{8}{11} = \frac{3}{2}x + \frac{1}{4} \)

4) \( \frac{3}{5}x + 4 = \frac{9}{10}(x - 1) + \frac{7}{10} \)

Solutions:

1) $x = 7$

2) $x = 4$

3) $x = \frac{43}{66}$

4) $x = 14$

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