Warm-ups

Solving equations with fractions

Solve the equation

1. $\dfrac{4}{3}x - 1 = 5$

2. $\dfrac{4}{5}x - \dfrac{7}{3}x = 4$

3. $\dfrac{7}{4}x + \dfrac{5}{2} = 4$

4. $\dfrac{4}{7}x + \dfrac{8}{3} = -1$

Solve the equation

1. $\dfrac{2}{3}(x-3)=4$

2. $\dfrac{4}{7}(x-6)=4$

3. $\dfrac{7}{5}(x-2)=4$

4. $\dfrac{4}{9}(2x-5)=1$

Solve the equation

1. $\dfrac{3x-1}{4} = \dfrac{2x-4}{7}$

2. $\dfrac{5x+3}{6} = \dfrac{7x-2}{5}$

3. $\dfrac{2x+1}{5} = \dfrac{3x-4}{7}$

4. $\dfrac{-2x+3}{4} = \dfrac{5x-2}{6}$

Solve the equation

1. $\dfrac{2}{3}x - 3 = 4$

2. $\dfrac{4}{3}x - \dfrac{3}{5}x = 4$

3. $\dfrac{7}{3}(x - 2) = 4$

4. $\dfrac{4}{5}(2x - 5) = 1$

5. $\dfrac{2x + 1}{7} = \dfrac{3x - 4}{9}$

6. $\dfrac{-2x + 3}{5} = \dfrac{5x - 2}{3}$