

3-2 Solving for a Variable with Fractions

Solve each equation for the variable x . Show your work!

1. $\frac{2}{3}x = 6$

2. $\frac{2}{5}x = 20$

3. $\frac{3}{4}x = \frac{2}{3}$

4. $\frac{2+x}{3} = \frac{x-2}{4}$

5. $\frac{10}{x+4} = \frac{8}{x+2}$

6. $\frac{2}{3}(12x-18) = 6x-8$

7. $9x-6 = \frac{3}{4}(8x-4)$