Solve the following Linear Equations 7

1. $4x - 9 = 7x + 12$

2. $3x + 2 = 2 - 10x$

3. $8x - 15 = 4x + 12$

4. $-3(x - 8) - 5 = 9(x+2) + 1$

5. $- 4(2 - 3x) = 7 - 2(x - 3)$

6. $8x - 5(x + 3) = 3(7x - 1)$

7. $-5(2x + 3) = 3(11 - 4x) - 58$

8. $-3x + 5(6 - x) = 4(1 - x)$

9. $2(x + 8) + 7 = 5(x + 2) - 2x - 19$

10. $\frac{3}{4}x - \frac{5}{4} = \frac{x}{3}$

11. $\frac{x}{3} + \frac{3}{4} = \frac{5x}{6} - 1$

12. $\frac{x}{2} + \frac{3}{8} = - 2x$

Answers: 1. $x = -7$ 2. $x = 0$ 3. $x = 6\frac{3}{4}$ 4. $x = 0$ 5. $x = 1\frac{1}{2}$ 6. $x = -\frac{2}{3}$
7. $x = - 5$ 8. $x = 6\frac{1}{2}$ 9. $x = 32$ 10. $x = 3$ 11. $x = 3\frac{1}{2}$ 12. $x = -\frac{3}{20}$