

Solving Linear Equations - solutions

1. $2x = 8$
 $x = 4$

5. $x - 5 = 4$
 $x = 9$

9. $6x - 3 = 7x - 7$
 $4 = x$

2. $3x = 9$
 $x = 3$

6. $2(x+1) = 6$
 $x+1 = 3 \Rightarrow x = 2$

10. $7x + 1 = 8$
 $x = 1$

3. $7x = 14$
 $x = 2$

7. $2(x+7) = 14$
 $x+7 = 7 \Rightarrow x = 0$

11. $6x + 14 = 32$
 $6x = 18 \Rightarrow x = 3$

4. $3x = 1$
 $x = \frac{1}{3}$

8. $2x - 8 = x + 2$
 $x = 10$

12. $4x + 2 - 9x + 12 = 40$
 $-5x + 14 = 40$
 $-5x = 26$
 $x = \frac{-26}{5}$