



Topic 4: Linear Equations in One Variable

Questions 1 – 18 Solve the equation.

1. $x + 9 = -14$

2. $x - 11 = -6$

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

4. $\frac{5}{4}x = 20$

5. $8 - 4x = -14$

6. $5 - 3x = x + 7$

7. $-10(x - 7) = 5$

8. $\frac{-6x - 2}{3} = -5$

9. $7x - 7 = 5(4 + 8x)$

10. $|x| = 11$

11. $|x| = -5$

12. $|x + 3| = 12$

13. $|4 - x| = 7$

14. $5|x + 6| = 40$

15. $9|x - 2| = 0$

16. $2|x + 9| - 4 = 6$

17. $|3x - 1| - 8 = 0$

18. $|x + 4| = |x|$