



Learning Goals:

- I can solve equations for a specified variable.

Round the following numbers to the nearest thousandth:

1. 11.22474

11.225

2. 0.9746

0.975

3. -7.90669

-7.907

4. 0.0168

0.017

5. 18.95203

18.952

6. -14.31160

-14.312

Solve the following and round your answers to the nearest thousandth:

7. $x + 2 = 7$

$x = 5$

8. $x - 7 = 3$

$x = 10$

9. $x + 5 = 3$

$x = -2$

10. $2x - 5 = 10$

$2x = 15$

$x = \frac{15}{2} = 7.5$

11. $3x + 7 = 10$

$3x = 3$

$x = 1$

12. $5x - 15 = 45$

$5x = 60$

$x = 12$

13. $2x + 4 = 4$

$2x = 0$

$x = 0$

14. $3x + 10 = 12$

$3x = 2$

$x = \frac{2}{3} \approx 0.667$

15. $7x - 3 = 15$

$7x = 18$

$x = \frac{18}{7}$

≈ 2.571

16. $6x + 2 = -11$

$6x = -13$

$x = -\frac{13}{6} \approx -2.167$

17. $-2x + 10 = 25$

$-2x = 15$

$x = -7.5$

18. $-3x + 7 = 12$

$-3x = 5$

$x = -\frac{5}{3} \approx -1.667$

19. $2x + 2.5 = 7.5$

$2x = 5$

$x = 2.5$

20. $-3x - 4.7 = 9$

$-3x = 13.7$

$x \approx -4.567$

21. $1.578 + 3.6x = 12.7$

$3.6x = 11.122$

$x \approx 3.089$