

Worksheet 3

- Solve $5x + 6 = 6x + 5$.
 - 11
 - 1
 - 1
 - 11
- If $4x + 2 = -6$, what is the value of x^3 ?
 - 1
 - 6
 - 6
 - 8
- Choose the equivalent equation for $\frac{x}{4} + 6 = \frac{x}{8}$.
 - $2x + 6 = x$
 - $2x + 6 = 8x$
 - $2x + 48 = 8x$
 - $2x + 48 = x$
- For the equation $0.06 - 0.01(x + 2) = -0.4x$, multiplication with what number will clear all the decimals?
 - 100
 - 10
 - 1
 - 1
- Find the equivalent equation for $-3x - 4 = -(2x - 1)$.
 - $3x + 4 = 2x - 1$
 - $3x + 4 = -2x - 1$
 - $3x - 4 = 2x - 1$
 - $-3x + 4 = 2x - 1$
- Solve $\frac{2}{3}x + 4 = \frac{3}{4}$.
 - $\frac{-39}{8}$
 - $\frac{-8}{39}$
 - $\frac{8}{39}$
 - $\frac{39}{8}$
- Solve $\frac{2}{3}x + 5 = \frac{1}{6}x + \frac{13}{2}$.
 - $\frac{-1}{2}$
 - 1
 - 3
 - 6

8. Solve $4x = 2(12 - 2x)$.

- A. 1
- B. $\frac{1}{4}$
- C. 4
- D. 3

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

- A. $\frac{1}{2}$
- B. 0
- C. -2
- D. 2

10. Simplify the expression

$$3x^2 - 4x - 5x^2.$$

- A. $-60x^5$
- B. $-6x^2$
- C. $2x - 4x^2$
- D. $-2x^2 - 4x$

11. Evaluate $1 - 5(2 - 4)^2$.

- A. -19
- B. -16
- C. -8
- D. 16

12. Solve $-x = -9$.

- A. -1
- B. 1
- C. 9
- D. -9

13. Solve $12 = a + 7.9$.

- A. 4.1
- B. 9.1
- C. 19.9
- D. 7.3

14. Solve $x - \frac{3}{8} = \frac{5}{8}$.

- A. $\frac{1}{2}$
- B. $\frac{1}{4}$
- C. 1
- D. $\frac{1}{8}$