

1. Compute: $|-10|$
2. Compute: $20 + 5 - (6 - 9)$
3. Write 0.095 as a percentage.
4. Write 2.25% as a decimal.
5. Simplify: $5x - 12x + x$
6. Simplify: $\frac{2}{3} + \frac{1}{5}$
7. Simplify: $\sqrt{20}$
8. Evaluate for $a = -1$ and $b = 5$: $a^2 - b^2$
9. Evaluate for $a = -1$ and $b = 5$: $10a - 2b$
10. Solve for x : $7 - 4x = -11$
11. Solve for x : $3x + 2 = 2x - 1$
12. Solve for x : $|x + 5| = 3$
13. Find the circumference of a circle with radius 10 in
14. Find the volume of a sphere with diameter = 5 in
15. Find the perimeter of a rectangle with length of 10 cm and width of 12 cm
16. Find the complement of a 47° angle
17. How much more pizza is contained in a pizza with radius 10 in than in a pizza with radius 6 in ?
18. Find the ordered pair solution to $3x + 4y = 24$ where $x = -4$
19. Solve: $\begin{cases} 3x + 2y = 2 \\ x + y = 3 \end{cases}$
20. Solve: $\begin{cases} 3x + 8y = 1 \\ 5x - 4y = 7 \end{cases}$
21. Evaluate the determinant: $\begin{vmatrix} 3 & -4 \\ 5 & 6 \end{vmatrix}$
22. Solve using any method: $\begin{cases} 2.3x + 6.9y = 14.2 \\ 3.3x - 9.4y = 1.5 \end{cases}$
23. There are 39 nickels and dimes in a jar. the total value of nickles and dimes is \$3.20. Find the number of dimes and nickels in the jar by selecting variables, writing a linear system, then solving the linear system.
24. Graph: $y = -2x + 3$
25. What is the slope of the line through the points (9, 1) and (-5, 6) ?
26. What is the slope of the line $2x + 3y = 9$
27. Find the equation of the line with slope -2 passing through the point (7,-3)
28. Calculate: $(3.45 \times 10^{16})(5.67 \times 10^{-12})$
29. Multiply then write in descending order: $(3x + 7)(2x - 8)$
30. For $f(x) = 3x^2 + 7x - 9$, find $f(4.5)$