

Algebra Review of Concepts Chapters 1-3 QUIZ 12788

You may use your notes or my videos to help you on any question, but you cannot receive help from anyone.

- Translate "the sum of a number and ten is equal to the product of that number and two."
A. $n + 10 = n - 2$
B. $n \cdot 10 = n + 2$
C. $n + 10 = n \cdot 2$
D. $n \cdot 10 = n - 2$
E. None of the above
- Evaluate $2(8 - 3) - 2(4 \div 2) \cdot 2$
A. 2
B. 4
C. -2
D. -4
E. None of the above
- Evaluate $3(12 - 20 \div 5) \div 12 + 2$
A. 72
B. 4
C. 12
D. 14
E. None of the above
- If $a = 2$ and $b = 3$, evaluate $ab^2 - 2a - a^2$
A. 6
B. 14
C. 32
D. 24
E. None of the above
- Simplify the expression $5x^2 - 4x^3 + 3x^2 + x - 3x - x^2 + 5x^3$
A. $x^3 - 7x^2 - 4x$
B. $-x^3 + 5x^2 - 4x$
C. $x^3 + 7x^2 - 2x$
D. $-x^3 + 5x^2 - 2x$
E. None of the above
- Simplify the expression $3(2n - 4y) - 2(2n - 3y)$
A. $2n - 18y$
B. $2n - 6y$
C. $10n - 18y$
D. $2n - 14y$
E. None of the above
- Solve for the variable n: $-2n - 10 = 3n - 25$
A. $n = 2$
B. $n = -2$
C. $n = 3$
D. $n = -3$
E. None of the above
- Solve for the variable n: $11n + 9 = 9n + 5$
A. $n = 1$
B. $n = 2$
C. $n = -1$
D. $n = -2$
E. None of the above

9. Solve for the variable n: $8n - 2 - 2n + 5 = n + n + n + 13 + 2$
A. $n = 4$ B. $n = -4$
C. $n = 11$ D. $n = 3$
E. None of the above
10. Solve for the variable n: $3(8n + 11) = 3(5n + 8)$
A. $n = -1$ B. $n = -2$
C. $n = -3$ D. $n = -4$
E. None of the above
11. Solve for the variable n: $\frac{n}{2} + 2 = 6$
A. $n = 4$ B. $n = 8$
C. $n = 16$ D. $n = 24$
E. None of the above
12. Solve for the variable n: $n - y = c$
A. $n = c - y$ B. $n = cy$
C. $n = c + y$ D. $n = y - c$
E. None of the above
13. Solve for the variable n: $\frac{2}{3}n = 8$
A. $n = 4$ B. $n = 6$
C. $n = 9$ D. $n = 12$
E. None of the above
14. Solve for the variable n: $\frac{n+4}{4} = \frac{n-3}{5}$
A. $n = 18$ B. $n = -23$
C. $n = 28$ D. $n = -32$
E. None of the above
15. Solve for the variable n: $4(n - 2) > 2n + 12$
A. $n > 10$ B. $n < 10$
C. $n > -10$ D. $n < -10$
E. None of the above