

## Algebra Review of Concepts Chapters 1-3 QUIZ 15661

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

- Translate “the product of a number and ten is equal to the sum 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  $3(12 - 20 \div 5) \div 2 + 2$   
A. 72  
B. 4  
C. 12  
D. 14  
E. None of the above
- If  $a = 2$  and  $b = 3$ , evaluate  $2ab^2 - a^2$   
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  $n$ :  $-2n - 10 = 3n - 20$   
A.  $n = 2$   
B.  $n = -2$   
C.  $n = 3$   
D.  $n = -3$   
E. None of the above
- Solve for the variable  $n$ :  $11n + 9 = 9n + 1$   
A.  $n = 1$   
B.  $n = 2$   
C.  $n = -1$   
D.  $n = -2$   
E. None of the above

9. Solve for the variable n:  $8n - 2 - 2n + 5 = n + n + n - 13 + 4$   
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:  $\frac{n}{2} + 4 = 6$   
A.  $n = 2$  B.  $n = 4$   
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:  $\frac{2}{3}n = 6$   
A.  $n = 4$  B.  $n = 6$   
C.  $n = 9$  D.  $n = 12$   
E. None of the above
14. Solve for the variable n:  $\frac{n+2}{2} = \frac{n+12}{3}$   
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