Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_ Per\_\_\_\_\_\_\_\_\_\_

**Variable Expressions & Equations REVIEW**

Solve:

1.



3.



5. 

24

7. 

9. 

11.



2.



4.



6. 

4

2

8. 

16

10. 0 = 0.98b + 0.02b – b

12. 

Answers

1.\_\_\_\_k=1/6\_\_\_\_\_\_\_\_

2.\_\_\_\_a=1/2\_\_\_\_\_\_\_

3.\_\_\_\_a=0\_\_\_\_\_\_\_\_\_

4.\_\_\_\_All solutions\_\_

5.\_\_\_\_w=32\_\_\_\_\_\_\_

6.\_\_\_\_n=14 1/4\_\_\_\_\_

7.\_\_\_\_y= -7/9\_\_\_\_\_\_\_

8.\_\_\_\_\_\_\_p= -54\_\_\_\_

9.\_\_\_\_\_\_p= -6\_\_\_\_\_

10.\_\_\_\_\_\_All Soln.\_\_

11.\_\_\_\_\_x= -16\_\_\_\_

12.\_\_\_\_\_a= 1 3/4\_\_\_

Simplify.

13. -12n – 18n + 9(4n + 3)

14. -6(3m + 2) – 6m + (-13)

15. 8(z2 + 3) – 19z2 + 14

16. 2p4 + 3p + 12 – 18p4 – p – 7

17. -(4x - 2) - 3(2x + 2)

**Write an expression or equation from the given scenario.**

18. 4 less than 2 multiplied by a number x

19. 2 more than 7 times a value m is 67.

20. 7 less than twice a number is the same as the number increased by 6.

21. A value x raised to the third power is 4 less than the product of 3 and x.

**Simplify the expression.**

22.



23.



24.



13. \_\_6n+27\_\_\_\_\_\_\_\_\_\_

14. \_\_-24m-25\_\_\_\_\_\_\_\_

15. \_\_\_-11z2+38\_\_\_\_\_\_\_

16. \_\_\_\_\_-16p4 + 2p + 5

17.\_-10x-4\_\_\_\_\_\_\_\_\_\_

18.\_\_2x-4\_\_\_\_\_\_\_\_\_\_\_\_

19.\_\_\_\_7m+2=67\_\_\_\_\_\_

20.\_\_\_\_\_2x-7=x+6\_\_\_\_\_

21.\_\_\_x3 = 3x -4\_\_\_\_\_\_\_

22.\_\_\_\_x^1/3\_\_\_\_\_\_\_\_\_\_\_\_

23.\_\_\_\_32^1/5 = 2\_\_\_\_\_\_

24.\_\_\_\_\_√y\_\_\_\_\_\_\_\_\_\_\_