



Name: \_\_\_\_\_

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## Algebra 1 – Unit 1 – Variables (Hard)

1. In  $5P + m$ , what represents the coefficient? A variable? what represents the coefficient?

2. If both variables equal 2 in  $2x + 2y$ , find the sum

7. In the expression for radius, the variable is \_\_\_\_\_

3. In  $4h + n$ , what represents the coefficient? A variable? what represents the coefficient?

8. If both variables equal 2 in  $3x + 2y$ , find the sum

4. In the expression for height, the variable is \_\_\_\_\_ what represents the coefficient?

9. In  $8P + m$ , what represents the coefficient?

5. In  $8v + p$ , what represents the coefficient? A variable? what represents the coefficient?

10. If both variables equal 4 in  $3x + 3y$ , find the sum



# Algebra 1 – Unit 1 – Variables (Hard) – Answer Key

1. In  $5P + m$ , what represents the coefficient of a variable?  
 $x = 0$
6. In  $2A + b$ , what represents the coefficient of a variable?  
 $x = 0$

2. If both variables equal 2 in  $2x + 2y$ , find the sum.  
 $x = 8$
7. In the expression for radius, the variable is  $x$ .  
 $x = 0$

3. In  $4h + n$ , what represents the coefficient of a variable?  
 $x = 0$
8. If both variables equal 2 in  $3x + 2y$ , find the sum.  
 $x = 10$

4. In the expression for height, the variable is  $x$ . What represents the coefficient of a variable?  
 $x = 0$
9. In  $8P + m$ , what represents the coefficient of a variable?  
 $x = 0$

5. In  $8v + p$ , what represents the coefficient of a variable?  
 $x = 0$
10. If both variables equal 4 in  $3x + 3y$ , find the sum.  
 $x = 24$