**Use the expression below to answer questions 1-6.**

1. coefficient \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. constant \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. variable \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. exponent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. difference \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. True/False: The expression above can be simplified. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Which of the following expressions show a **quotient** of two terms?

A.

B.

C.

D.

8. Simplify the expression.

|  |  |  |
| --- | --- | --- |
| **Expression 1** | **Expression 2** | **Expression 3** |
|  |  |  |

9. Which expressions are equivalent?

10. Simplify the expression.

11. Sammy was asked to combine like terms in the expression:

He came up with the answer: 2

What mistake did Sammy make?

12. Write an expression equivalent to 40*x* + 8? (Use the factor sled)