

Name: Class:

Write variable expressions: two operations

Write an expression for the sequence of the following operations described below
(do not simplify your answer).

1. w times 11, then add x to the result.
2. Double t , then add 52 to the result.
3. Half 10 then divide t by the result.
4. Subtract 0 from p , then add q to the result.
5. Multiply 10 by a , then raise the result to the 5th power.
6. Raise s to the 15th power, then triple the result.
7. Divide 20 by 27, then subtract b from the result.
8. Divide 60 by 12, then subtract d from the result.

Name: Class:

Write variable expressions: two operations

Write an expression for the sequence of the following operations described below
(do not simplify your answer).

1. **w** times 11, then add **x** to the result.

Multiply **w** by 11.

$$w \times 11 = 11w$$

Add **x** to the result.

$$11w + x$$

$$(w \times 11) + x$$

2. Double **t**, then add 52 to the result.

Multiply 2 by **t**.

$$2 \times t = 2t$$

Add 52 to the result.

$$2t + 52$$

$$2t + 52$$

3. Half 10 then divide **t** by the result.

To half 10, divide by 2.

$$10/2 = 5$$

Divide **t** by the result.

$$t/5 = t/5$$

$$t/5$$

4. Subtract 0 from **p**, then add **q** to the result

Subtract 0 from **p**.

$$p - 0 = p - 0$$

Add **q** to the result.

$$(p-0) + q = (p-0) + q$$

$$(p-0) + q$$

5. Multiply 10 by **a**, then raise the result to the 5th power.

Multiply 10 by **a**.

$$10 \times a = 10a$$

Raise 10a to the power 5

$$(10a)^5$$

$$(10a)^5$$

6. Raise **S** to the 15th power, then triple the result.

Raise **S** to the power 15.

$$S^{15}$$

Multiply S^{15} by 3.

$$3 \times S^{15}$$

$$3S^{15}$$

7. Divide 20 by 27, then subtract **b** from the result.

Divide 20 by 27.

$$20/27 = 20/27$$

Subtract **b** from the result.

$$20/27 - b$$

$$20/27 - b$$