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

Use the Distributive Property to display the area for each rectangle by writing two equivalent expressions (one factored form , one expanded form). Use order of operations to simplify each expression and check your result is correct

1. 2.

 

|  |  |  |  |
| --- | --- | --- | --- |
| 1. FACTORED FORM | 1. EXPANDED FORM | 2. FACTORED FORM | 2. EXPANDED FORM |
|   |  |  |  |

3. 4.

 

|  |  |  |  |
| --- | --- | --- | --- |
| 3. FACTORED FORM | 3. EXPANDED FORM | 4. FACTORED FORM | 4. EXPANDED FORM |
|  |  |  |  |

5. 6.

 

|  |  |  |  |
| --- | --- | --- | --- |
| 5. FACTORED FORM | 5. EXPANDED FORM | 6. FACTORED FORM | 6. EXPANDED FORM |
|  |  |  |  |

For each expression below:

* draw and label a rectangle to represent
* rewrite in other form (factored/expanded)
* simplify and circle result

7. 6 ( 8 + 9 ) 8. 12 ( 4 + 11)