Lab: Like Terms

I. From the bag, draw the number of blocks indicated. Write the name of each block. Combine like terms, then write the quantity the short way.

Example:
The value of these blocks is written: Like terms combined:

1. 6 blocks
Value of the blocks: Like terms combined:
2. 7 blocks
Value of the blocks: Like terms combined:
3. 8 blocks
Value of the blocks: Like terms combined:
4. 9 blocks
Value of the blocks: Like terms combined:
5. 10 blocks
Value of the blocks: Like terms combined:

II. In the expressions below, the value of the blocks is given. Write the expression after combining like terms. You may use the blocks to check your answers.

6. \( x + y + y \)
7. \( x^2 + y^2 + y^2 + 2 + x + x^2 + 7 \)
8. \( x^2 + y^2 + x + x^2 \)
9. \( x + y + xy + x \)
10. \( 4x + x^2 + 1 + 5x \)
11. \( x^2 + y^2 + 2y^2 + 4 + 3x^2 \)