What's the Expression?

Directions Part 1: For each problem below, decide how <u>much the pile of tiles is worth</u> and record that expression below the picture.
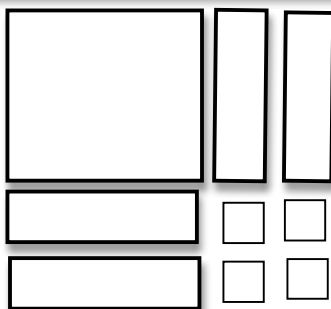
NOTE: ☐ represents +1
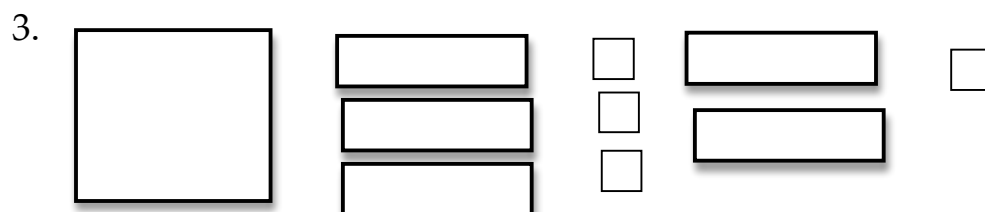
▭ represents x

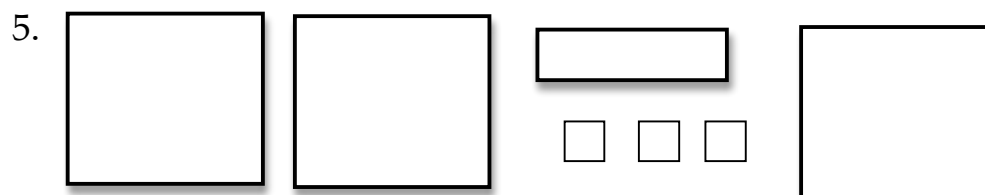▢ represents x^2

1.

Expression:

2.

Expression:
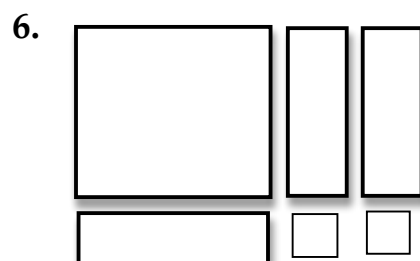
3.

Expression:
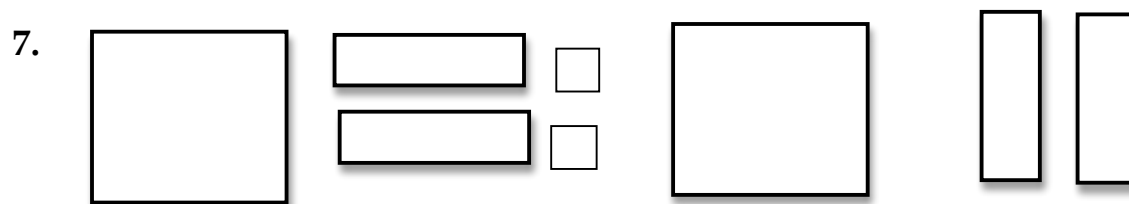
4.

Expression:

5.

Expression:

6.

Expression:

7.
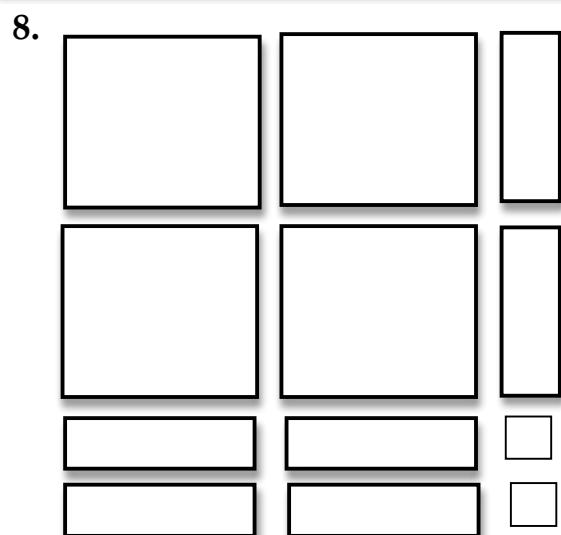

Expression:

8.

Expression:

Directions Part 2: For each problem, use Algebra Tiles to represent the expression and record the expression in simplest form (combining all same tiles).

1. $x^2 + 3x + 2 + x$

Picture:

Simplified Expression:

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2. $3x + 1 + x + 3$

Picture:

Simplified Expression:

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3. $2x^2 + 3 + 2x + 3x$

Picture:

Simplified Expression:

---

4. $4x^2 + 3x + 4 + x$

Picture:

Simplified Expression:

---

5. $3 + x + x^2 + 2x$

Picture:

Simplified Expression:

---

6. $2x^2 + 4x + 12 + 6x$

Picture:

Simplified Expression:

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7. $x^2 + 5x + 2 + x$

Picture:

Simplified Expression:

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8. $3x + 2x + 6 + 2x^2$

Picture:

Simplified Expression: