Perimeter and Area Using Algebra Tiles:

Algebraic expressions can be represented by the perimeters of algebra tiles (rectangles and squares) and combinations of algebra tiles. The dimensions of each tile are shown along its sides and the tile is named by its area as shown on the tile itself in the figures below. When using the tiles, perimeter is the distance around the exterior of the figure.

Please try to determine the perimeter of each rectangle to the right.
\[ A = x \cdot x = x^2 \]

\[ P = 4x \]
Note: Label Area in square units when given a value for $x$. Perimeter will be in units. This is because the units were not given.
A = \int u^2 \\

P = 4 \text{ units}
Look at the two examples below and determine how the perimeter and area would be expressed as a simplified algebraic expression.

\[ A = 2x^2 + 3x + 2 \]  
\[ P = 6x + 8 \]
Determine the perimeter of each figure.