Mastery Algebra 1   Practice AP-3   Name: _____KEY_____
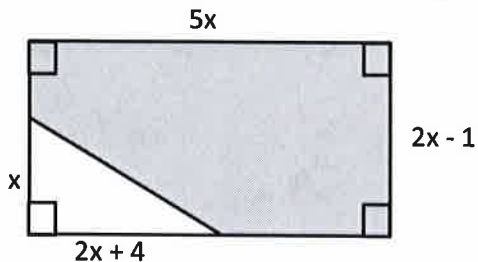
Per: _____

AP-3 Polynomials as Areas

Find the area of each shaded region. Be sure to show all your work and logic clearly. Diagrams are not drawn to scale.
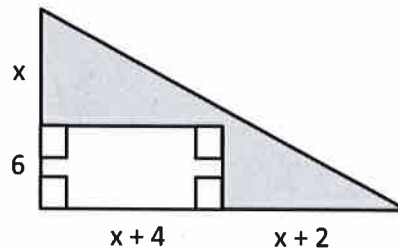
1.

5x

2x - 1

x

2x + 4

Work:
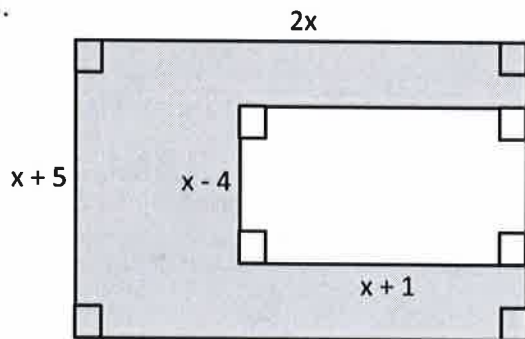
Shaded Area: _____$9x^2 - 7x$_____

2.

x

6

x + 4   x + 2

Work:

Area: _____$x^2 + 3x - 6$_____

3.

2x

x + 5   x - 4

x + 1

Work:

Area: _____$x^2 + 13x + 4$_____