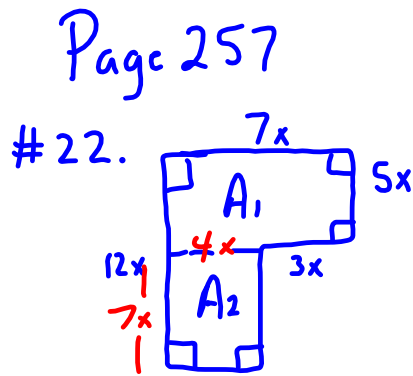


Homework problems?



$$A_1 = l \times w$$

$$= (5x)(7x)$$

$$= 35x^2$$

$$A_2 = 4x(7x)$$

$$= 28x^2$$

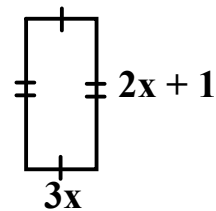
$$A_{TOTAL} = 35x^2 + 28x^2$$

$$= 63x^2$$

PPRACTICE: PERIMETER, AREA AND SUBSTITUTION WITH POLYNOMIALS

Using the shape to the right, answer the following:

- What is the **SIMPLIFIED** polynomial that represents the **PERIMETER** of this shape?
- What is the **perimeter** of this shape when $x = 5$?
- What is the **SIMPLIFIED** polynomial that represents the **AREA** of this shape?
- What is the **area** of this shape when $x = 10$?



$$a) P = s_1 + s_2 + s_3 + s_4$$

$$= 2x + 1 + 3x + 2x + 1 + 3x$$

$$= 10x + 2$$

$$b) 10x + 2 = 10(5) + 2$$

$$= 50 + 2$$

$$= 52$$

$$c) A = l \times w$$

$$= 3x(2x + 1)$$

$$= 6x^2 + 3x$$

$$d) 6x^2 + 3x = 6(10)^2 + 3(10)$$

$$= 6(100) + 30$$

$$= 600 + 30$$

$$= 630$$

**UNIT 4 TEST PREPARATION -
POLYNOMIALS: (TUES., DEC. 17)**

MMS9

Page 258: Study Guide

Page 259: #1 TO #7, #9 and #10

Page 260: #12, #15, #16, #18 and #19

Page 261: #22 TO #29

Page 262: Practice Test