

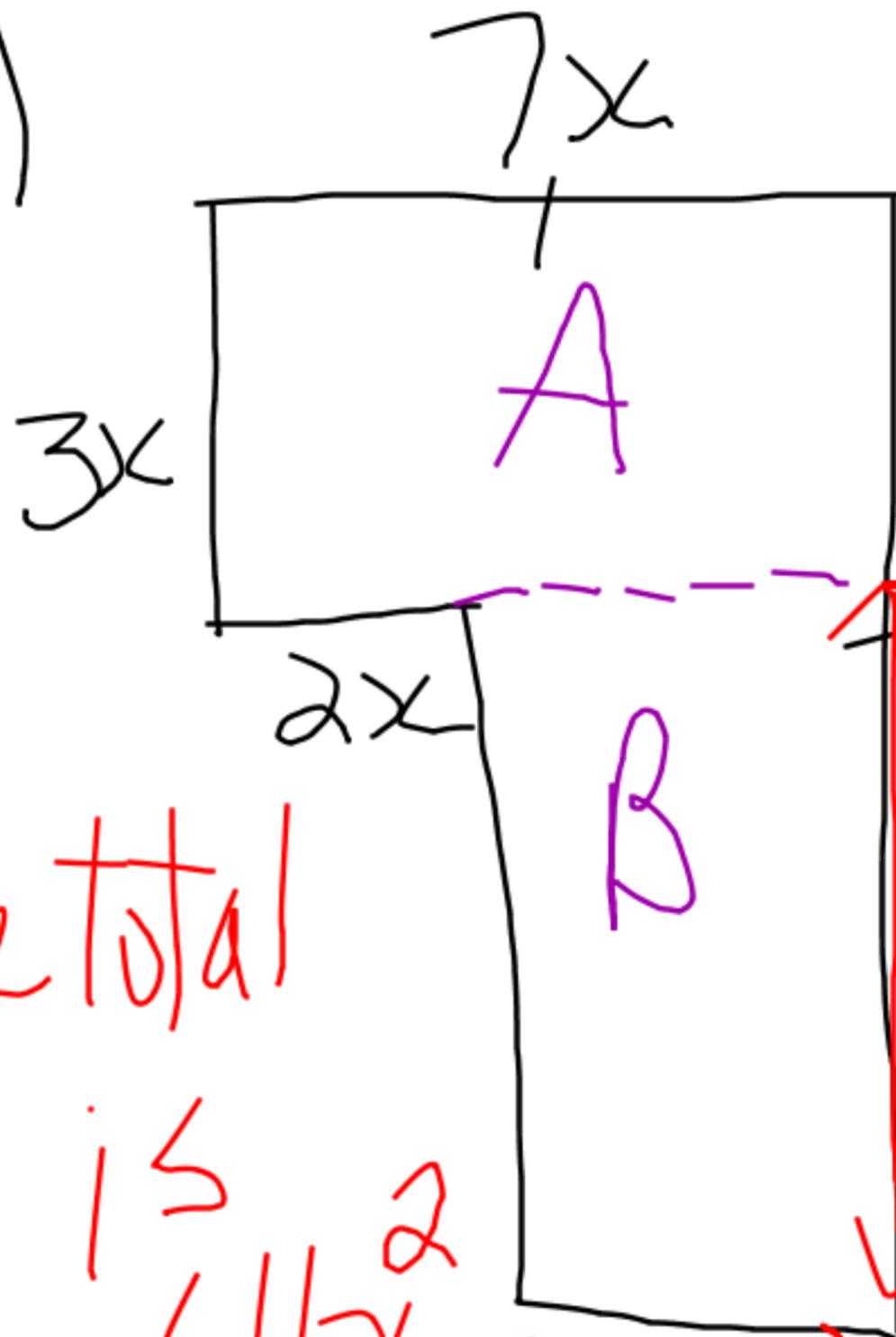
P. 317

Friday - Algebra Quiz

Oct 20

47a)

Test 5/6 Nov.



$$\text{Total Area} = A + B$$

$$T.A. = L \times W + L \times W$$

$$T.A. = (7x)(3x) + (4x)(5x)$$

$$T.A. = 21x^2 + 20x^2$$

$$T.A. = 41x^2$$

∴ the total area is  $41x^2$

# P. 322 Multiplying a Monomial by a Polynomial

$$1. \quad x(x+2)$$


$$= x^2 + 2x$$

$$11. \quad 4b(b-11)$$

$$= 4b^2 - 44b$$

$$2. \quad x(x-3)$$

$$= x^2 - 3x$$

$$13. \quad 2x(3+x)$$

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

18.

$$\begin{aligned} & x(x+3) - x(x-2) \\ &= x^2 + 3x - x^2 + 2x \\ &= 5x \end{aligned}$$

$$\begin{aligned} 26. \quad & \frac{d}{dx}(x-3) - \frac{d}{dx}(x-5) \\ &= 2x^2 - 6x - 1x^2 + 5x \\ &= x^2 - 1x \end{aligned}$$

$$\begin{aligned} 32. \quad & \frac{d}{dx}(x^2 + 2x + 3) \\ &= x^3 + 2x^2 + 3x \end{aligned}$$

40.  $3(x^2 + 2x - 5) - x(x + 1)$

$$= 3x^2 + 6x - 15 - x^2 - x$$

$$= 2x^2 + 5x - 15$$

45.

homework pg 322 up to 46