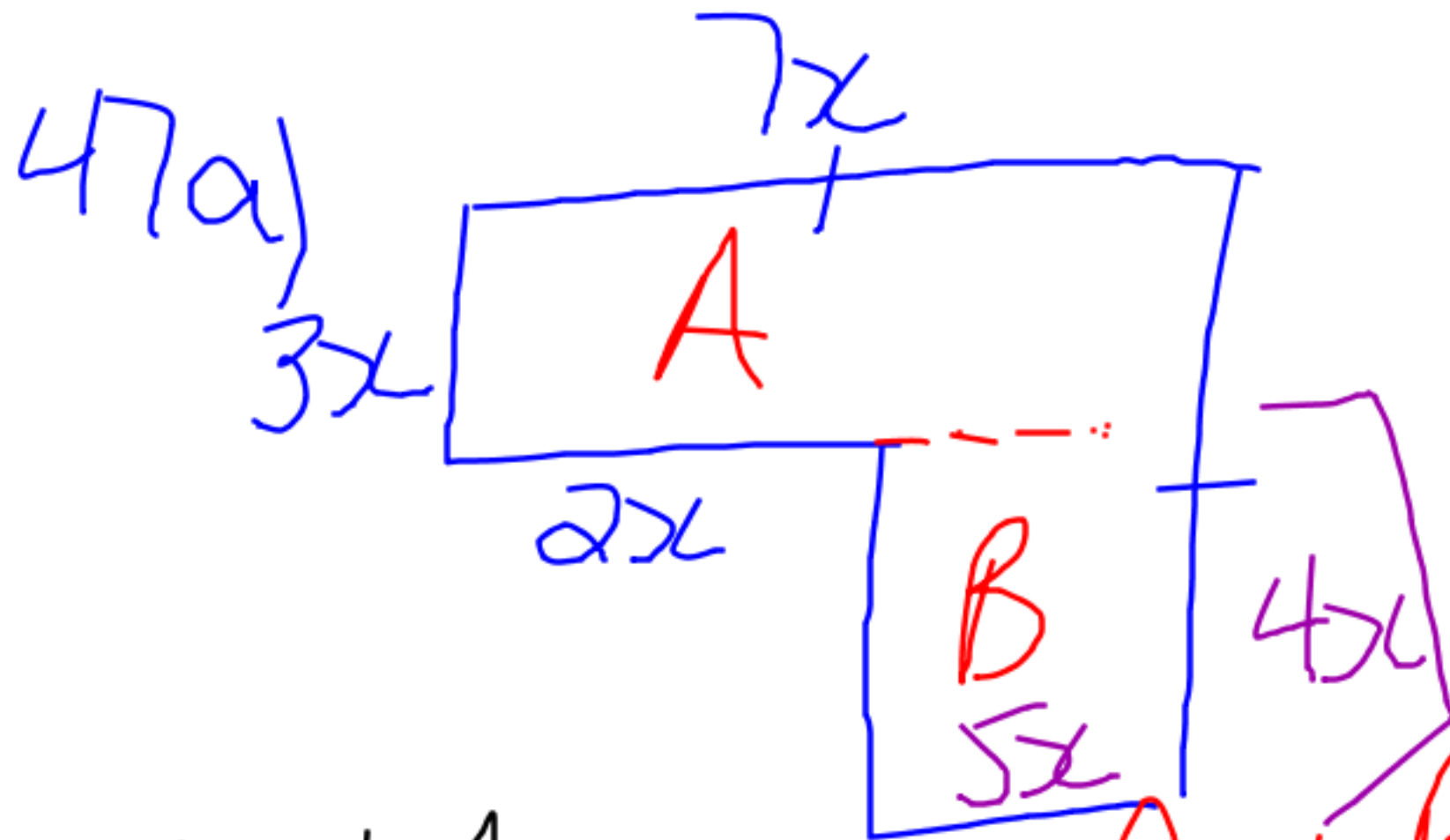


P. 317 Find the area

Oct 29



the total
area is
 $41x^2$

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

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

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

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

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

P. 320 Powers of Monomials

1. $(x)^2 = (x)(x)$ 2. $(a)^3 = (a)(a)(a)$
 $= x^2$ $= a^3$

3. $(p)^5$ ppppp
 $= p^5$

4. $(n^2)^2$ $\rightarrow (n^2)(n^2)$
 $= n^4$ $= n^4$

$$5. \quad (-t^3)^2 \Rightarrow (-t^3)(-t^3)$$

$$= t^6$$

$$6. \quad (-y^2)^3 \Rightarrow (-y^2)(-y^2)(-y^2)$$

$$= -y^6$$

$$18. \quad -(-b^0)^3$$

$$= -(-b^0)$$

$$= -(-1)$$

$$= 1$$

Anything to
the power of
zero equals 1.

$$19 \quad (xy)^2 \Rightarrow (xy)(xy)$$

$$= x^2 y^2$$

$$= x^2 y^2$$

$$24. \quad (-2xt)^2 = (-2xt)(-2xt)$$

$$= (-2)^2 x^2 t^2$$

$$= 4x^2 t^2$$

$$31. (ab)^3)^2$$

$$= a^2 b^6$$

$$37. (2x)^3)^6$$

$$= 2^3 x^6$$

$$= 8x^6$$

$$2 \times 2 \times 2$$



$$48. \quad - (3^1 x^1 y^0)^2$$

$$= - (3^2 x^2 y^0)$$

$$3 \times 3$$

$$= - (9x^2 (1))$$

$$= - (9x^2)$$

$$= - 9x^2$$

$$5/. \quad (2^1 x^3 y^3)^2 (x^2 y)$$

$$= (2^2 x^6 y^6) (x^2 y)$$

$$= 4 x^8 y^7$$

55.

$$\begin{aligned} & \begin{array}{ccccc} | & | & | & | & | \\ (10abc)^2 & (-2a^2bc) \\ -10a^2b^2c^2 & (-2a^2bd) \end{array} \end{aligned}$$

$$= 100$$

hwk. Finish p. 317

p. 320 - Quiz