

p.317 Multiplying Monomials Oct 12

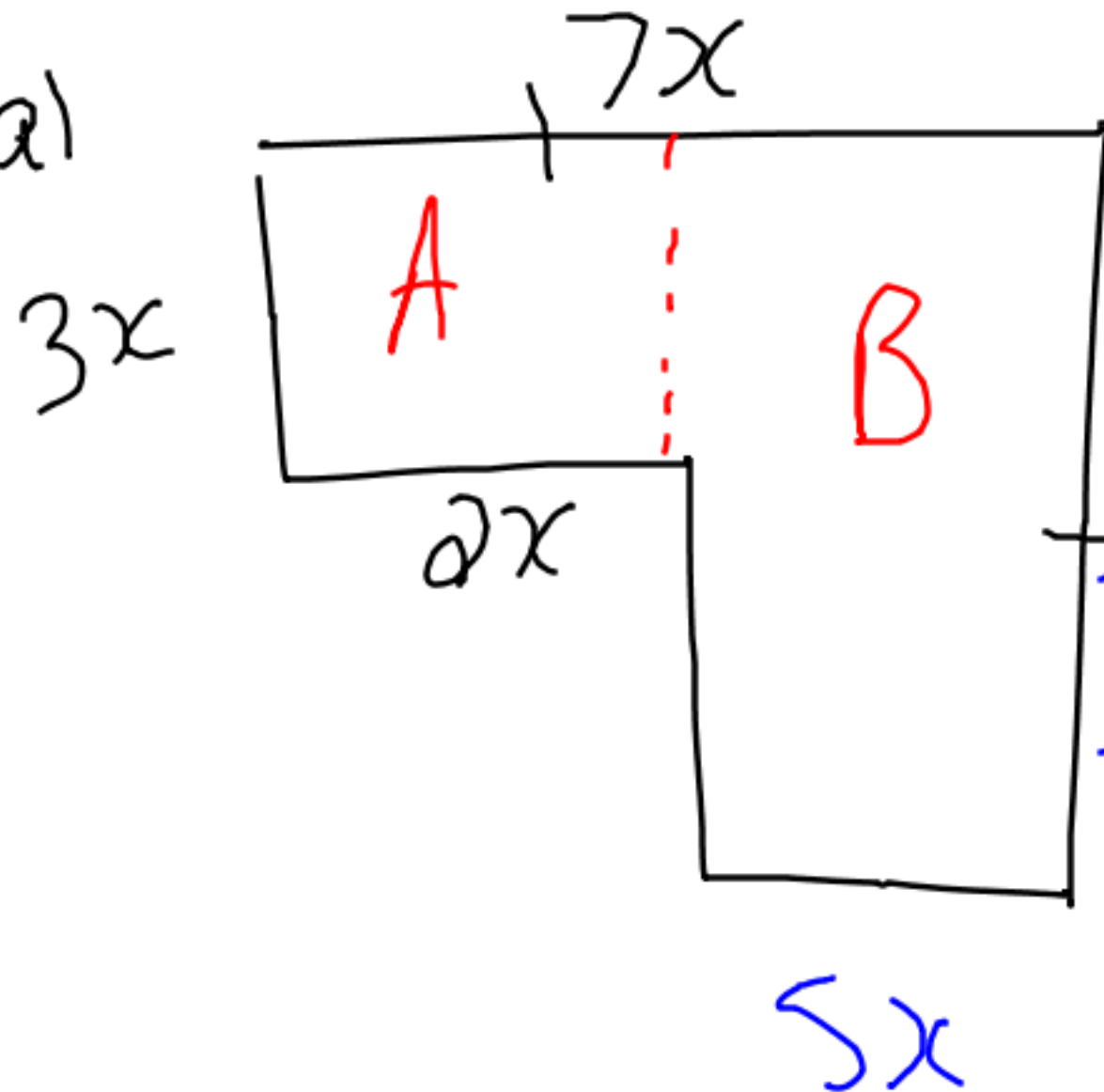
$$\begin{aligned} 38. \quad & -5x(-7y)(-2z) \\ & = (35xy)(-2z) \end{aligned}$$

$$\begin{aligned} & = -70xyz \\ 40. \quad & (4a^2x^3z)(-2x^3y^2z^2) \\ & = -8a^2x^6y^2z^3 \text{ degree: } 13 \end{aligned}$$

$$44 \quad (-1x^2yz)(2xy^2z)(-2xyz^2)$$

$$= 4x^4y^4z^4 \quad \text{degree: } 12$$

47 a)



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

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

$$T.A. = (3x)(2x) + (7x)(5x)$$

$$T.A. = 6x^2 + 35x^2$$

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

$\therefore$ The total area is $41x^2$.

$$\begin{aligned}
 1. \quad & 3x(-7x+7) - 5x \\
 &= -21x^2 + 21x - 5x \\
 &= -21x^2 + 16x
 \end{aligned}$$

$$\begin{aligned}
 2. \quad & -6 + 6(a+9) \\
 &= -6 + 6a + 54 \\
 &= 6a + 48
 \end{aligned}$$

Homework:

finish p. 317

↓ hand-out
distributive
property
both sides