

P. 315

Distributive Property

Oct 11

37.

$$\begin{aligned} & -5(-x+y) \\ & = 5x - 5y \end{aligned}$$

44.

$$\begin{aligned} & -1(2c-3d+5) \\ & = -2c + 3d - 5 \end{aligned}$$

40.

$$-4(2m-n)$$

$$= -8m + 4n$$

41.

$$\begin{aligned} & -4(2x+3y+z) \\ & = -8x - 12y - 4z \end{aligned}$$

53. $3(x^2 + 4x - 3) + 2(x^2 + 5)$

53.

$$2(3x^2 + 7x - 3) + 4(x - 3)$$

$$= 6x^2 + 14x - 6 + 4x - 12$$

$$= 6x^2 + 18x - 18$$

56.

$$-1(2a + 3) + 3(a - 1) - 4(a - 2)$$

$$= -2a - 3 + 3a - 3 - 4a + 8$$

$$= -3a + 2$$

61.

$$4(x^2 + 2x - 3) - 2(x^2 + 4y - 1)$$

$$= \boxed{4x^2 + 8x - 12} \quad \boxed{-2x^2 - 8y + 2}$$

$$= +2x^2 + 8x - 8y - 14$$

✓
✓
✓
✓

p. 317 Multiplying Monomials

$$1. (4x)(2x) \\ = 8x^2$$

$$2. (2y)(5y) \\ = 10y^2$$

$$3. (n)(8n) \\ = 8n^2$$

$$4. (5x)(3y) \\ = 15xy$$

$$13. (3x)(2y) \\ = 6xy$$

$$14. (3a)(4b) \\ = 12ab$$

$$15. (5x^2)(2y^2) \\ = 10x^2y^2$$

$$16. (5ab)(3c) \\ = 15abc$$

$$22. (3x^2)(-5y^2) \\ = -15x^2y^2$$

$$28. (-2xy)(-7xy) \\ = 14x^2y^2$$

$$30. 4s^2t^3(-3st) \\ = -12s^3t^4$$

$$32. -2s^2t^2(-5s^4t^2) \text{ degree: } 7 \\ = 10s^6t^4 \text{ degree: } 10$$

$$38. -5x(-7y)(-2z)$$

$$= (35xy)(-2z)$$

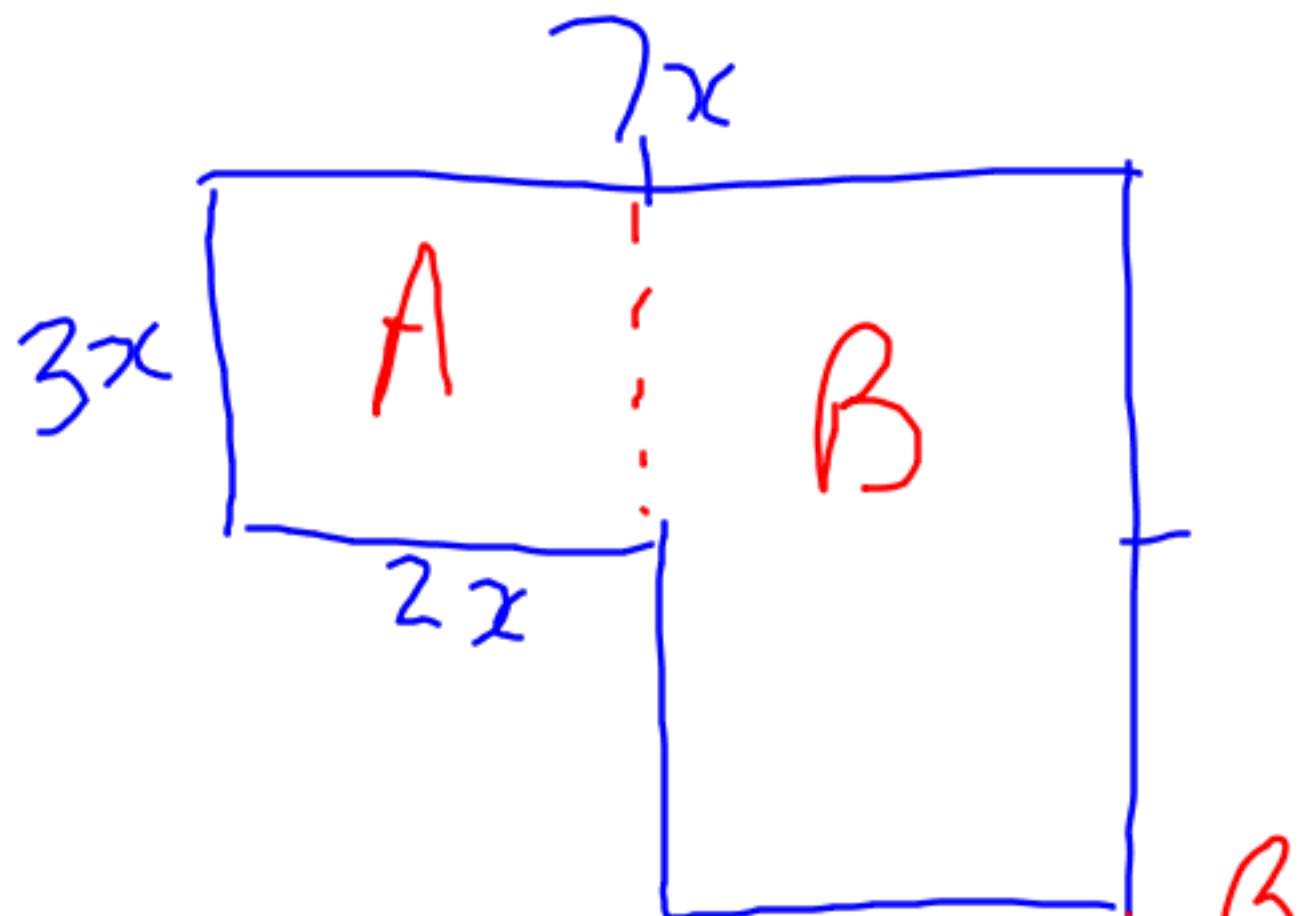
$$= -70xyz \quad \text{degree: } 3$$

$$40. (4a^2x^3z)(-2x^3y^2z^2)$$

$$= -8a^2x^6y^2z^3$$

degree:
13

47.



Hw/c
p. 315 finish
pp 316-17
multiplying

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

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

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

$$T.A. = 6x^2 + 21x^2$$

$$T.A. = 27x^2 \text{ is the total area}$$