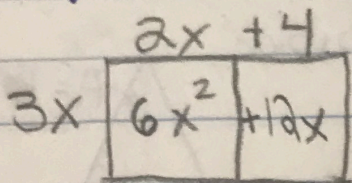


7.2 Multiplying Polynomials by Monomials

Ex 1: Area Model

$$3x(2x + 4) = 6x^2 + 12x$$



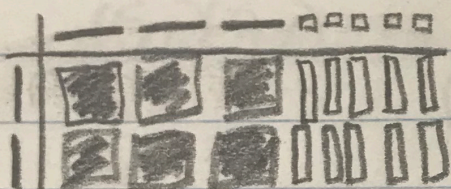
SYK: a) $(2x)(x+3)$

b) $(2+c)(c)$

Ex 2: Algebra Tiles

$$(2x)(3x-5)$$

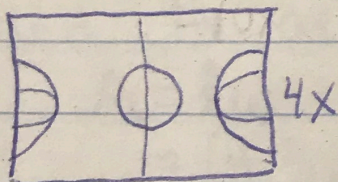
SYK: a) $(2+3x)(3x)$



$$6x^2 - 10x$$

b) $4x(2x-1)$

Ex 3: Algebraically



$$5x-3$$

$$4x(5x-3)$$

$$(4x)(5x) + (4x)(-3)$$

$$(4 \cdot 5 \cdot x \cdot x) + (4 \cdot -3 \cdot x)$$

$$20x^2 + (-12x)$$

$$= 20x^2 - 12x$$

SYK: a) $(-3x)(2x+5)$

b) $5y(11-x)$

