

Unit 6 Algebra Tiles Exploration

① Multiply - Monomial $\times$ Monomial

$$(2)(3x)$$



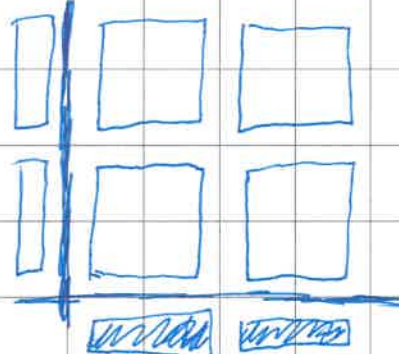
$$= 6x$$

$$(-2)(4x)$$



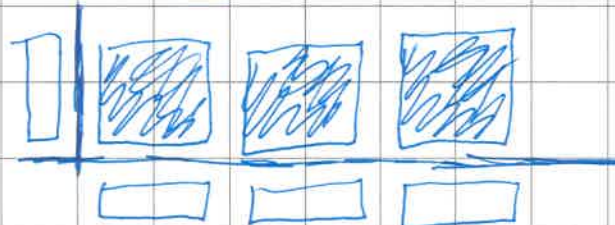
$$= -8x$$

$$(-2x)(2x)$$



$$= -4x^2$$

$$(-3x)(-x)$$



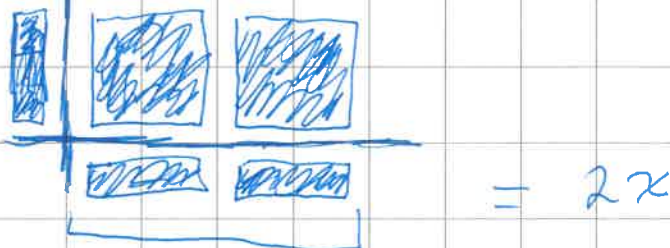
$$= 3x^2$$

② Division - Monomial $\div$ Monomial

$$\text{ex } \frac{-6x}{2}$$



$$\text{ex } \frac{2x^2}{x}$$

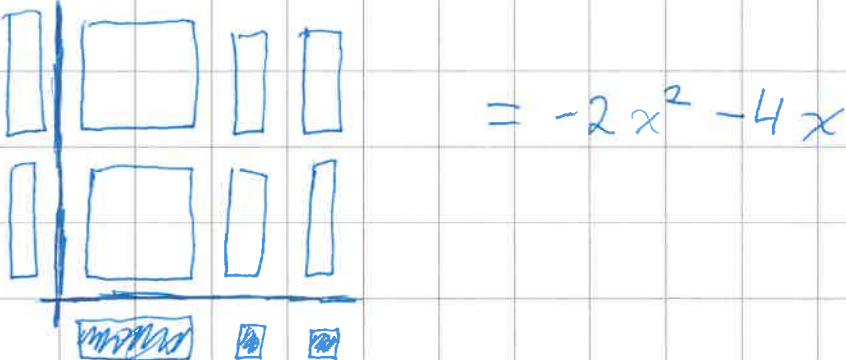


③ Multiply - Monomial $\times$ Polynomial

$$-2(x-1)$$

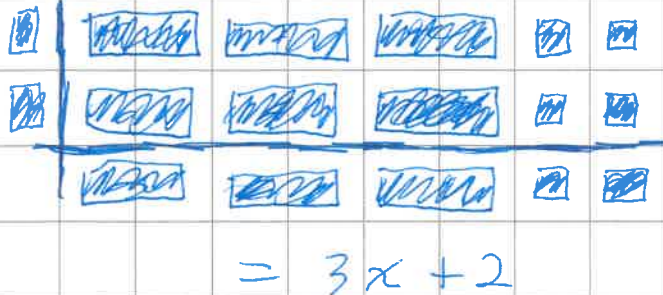


$$-2x(x+2)$$



④ Division - Polynomial $\div$ Monomial

$$\frac{6x+4}{2}$$



6.0 practice Algebra tiles

$$1) (-1)(5x)$$

$$6) -x(-3x+1)$$

$$2) (x)(2x)$$

$$7) \frac{5x+10}{-5}$$

$$3) \frac{6x}{3}$$

$$8) \frac{6x-3}{-3}$$

$$4) \frac{4x}{2x}$$

$$5) \frac{-6x^2}{-2x}$$