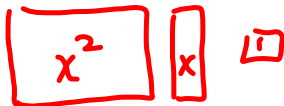


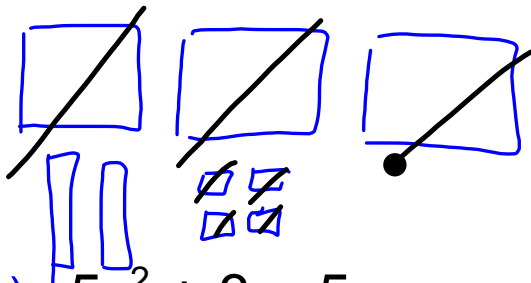
You have **35 minutes** to complete the Assignment from Friday...if you do not finish you will have to come at **12:08**.

# Sec. 5.3 Adding Polynomials

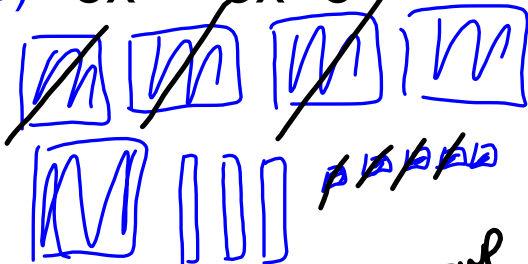
Model



a)  $3x^2 + 2x + 4$



b)  $-5x^2 + 3x - 5$



**a+b** [simplified]



$-2x^2 + 5x - 1$



**\*Remember**

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

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

1. Remove the brackets.

$3x^2 + 2x + 4 - 5x^2 + 3x - 5$

Group  $(3x^2 - 5x^2 + 2x + 3x + 4 - 5)$

simplify

$-2x^2 + 5x - 1$

$$(3s + 4) + (-2s^2 - s - 6)$$

$(+) (+) = +$   
 $(-) (-) = +$   
 $(+) (-) = -$

1) Remove  
brackets

$$3s + 4 - 2s^2 - 1s - 6$$

2) Group

$$-2s^2 + 3s - 1s + 4 - 6$$

3) Simplify

$$-2s^2 + 2s - 2$$

1. Copy the question
2. Remove the brackets
3. Group
4. Simplify

$$(-3x^2 + 4x - 2) + (2x^2 - 6x + 5)$$

$$-3x^2 + 4x - 2 + 2x^2 - 6x + 5$$

$$\textcircled{-3}x^2 + \textcircled{+2}x^2 + \boxed{+4}x - \boxed{-6}x - \boxed{-2+5}$$

$$-1x^2 - 2x + 3$$

1. Copy the question
2. Remove the brackets
3. Group
4. Simplify

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**#8 a, c, e, g**

