

Unit 2 Test Review – “What I know...”

Name _____

#1-2: Simplify the expression.

1. $(7x^2 + 3x - 5) + (x^2 - x - 13)$

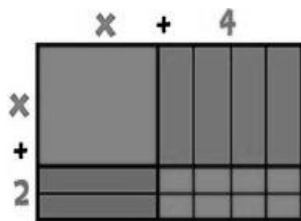
2. $(3x^3 + 5x^2 - 8x + 5) - (x^3 - 7x^2 + 2)$

#3-4: Multiply the following. You may use the box or area model, or the distributive property.

3. $(x + 4)(x + 2)$

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

5. Which of the following expressions go with this area model diagram? (Circle all that are correct.)



HINT: Check every step of your work from Problem #3 before answering!!!

a. $2x \cdot 4x$

e. $x^2 + 6x + 8$

b. $(x+2)(x+4)$

f. $x^2 - 6x + 8$

c. $x(x+2) + 4(x+2)$

g. $x^2 + 4x + 2x + 8$

d. $x(x+4) + 2(x+4)$