# Reference Key

|  |  |  |  |
| --- | --- | --- | --- |
| – 1 & 1 | $$-x^{}\& x^{}$$ | $$-x^{2} \& x^{2}$$ | $$-x^{3} \& x^{3}$$ |
|  |  |  |  |

**Note: All red algebra tiles represent negative terms. A zero pair is a positive and negative pair.**

# Adding Polynomials

Build each polynomial separately.***What is the most efficient way to summarize how many blocks of each kind you have all together?***

**(3x3 + 2x2 – x – 3) and (- x3 – 5x2 + 5)**

Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Reflect: Describe how you thought through the problem from start to finish. (Verbalize your thought process on working through the problem.)

# Reference Key

|  |  |  |  |
| --- | --- | --- | --- |
| – 1 & 1 | $$-x^{}\& x^{}$$ | $$-x^{2} \& x^{2}$$ | $$-x^{3} \& x^{3}$$ |
|  |  |  |  |

**Note: All red algebra tiles represent negative terms. A zero pair is a positive and negative pair.**

#

# Subtracting Polynomials

 Build **(5x3 – 3x2 + 2x + 6)** and take away (-**2x3 + 2x2 – x + 2)**. ***How many do you have left?***

Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Reflect: Describe how you thought through the problem from start to finish. (Verbalize your thought process on working through the problem.)