

Adding Polynomials (with algebra tiles)

Vocabulary

monomial - An expression that is a number, a variable, or a product of numbers and/or variables. Ex: $-3x$

polynomial - An algebraic expression that contains the sums and/or products of one or more monomials. Ex: $4x + 3$

1

x

x^2

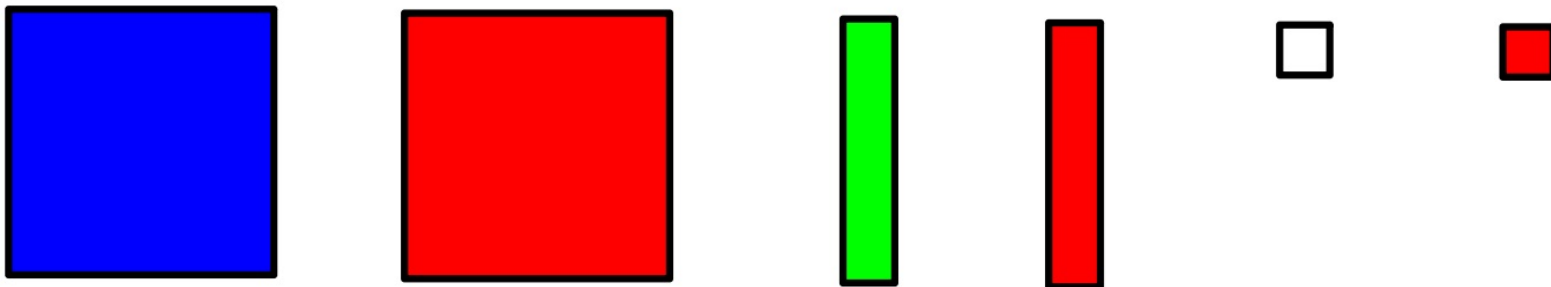
-1

$-x$

$-x^2$

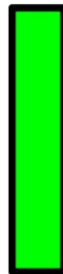
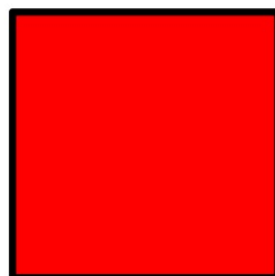
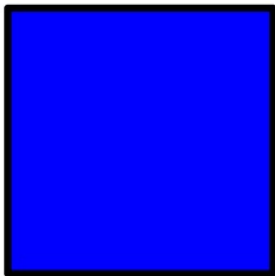
Show with the algebra tiles.

$$1) 3x^2 - 2x + 7$$



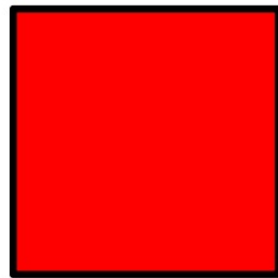
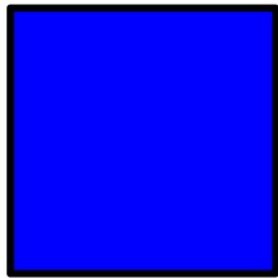
Show with the algebra tiles.

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

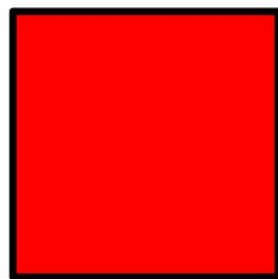
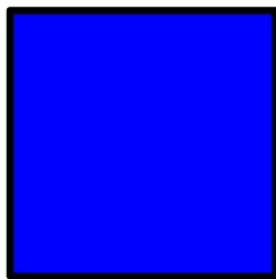


Add.

$$3) (3x + 5) + (2x + 1)$$

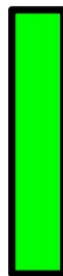
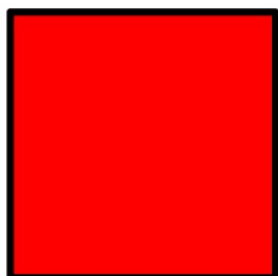
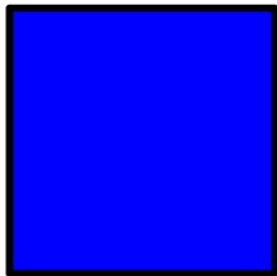


Add. 4) $(2x^2 + x - 3) + (x^2 + 3x + 5)$



Add.

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



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

