# Warm Up

Copy warm-ups into your notebooks

1) Classify the following polynomials as either monomials, binomial or trinomials

| | | | |
|---|---|---|---|
| Monomial | $9x^2y$ | $v + 2t$ | Binomial |
| Monomial | 11 | $n$ | Monomial |
| Triomial | $k - 7 + b$ | $3 + g^{10}$ | Binomial |

2) What is the degree of the following polynomial? degree 15

$$8x^5 - 6 + 10x - 9x^{15} + 10x^{14}$$

## 3) Rewrite the above in descending order

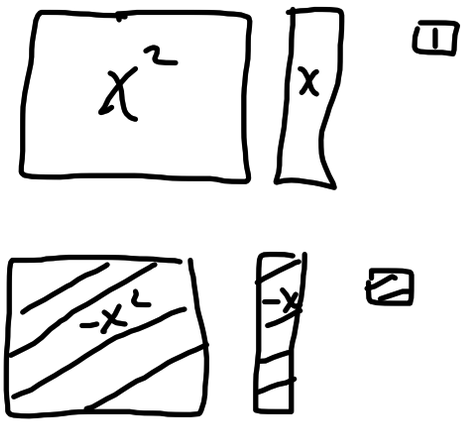
$-9x^{15} + 10x^{14} + 8x^5 + 10x - 6$

4) Fill in the following chart:

| Expression | Variable | Coefficient | Constant | Degree |
|---|---|---|---|---|
| 2x - 8 | x | 2 | -8 | 1 |
| $5x^4 + 7y - 2$ | x, y | 5, 7 | -2 | 4 |
| 12 | $\emptyset$ | $\emptyset$ | 12 | 0 |

# Terms with polynomials

## Remember:




**Monomial:** one term

**Binomial:** two terms

**Trinomials:** three terms

**Variables:** Letters

**Coefficients:** Numbers out in front of letters

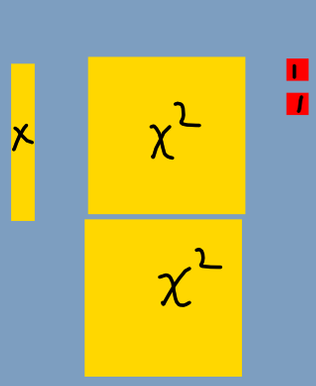
**Constant:** the number all by itself

**Degree:** the highest exponent on a variable

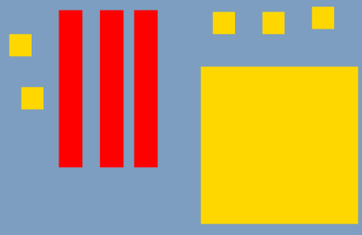
# One More Time Modelling Polynomials

Write the algebraic expression that represents each model.

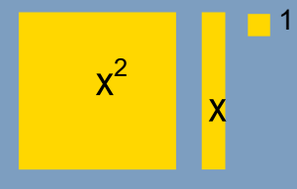
Don't forget to write it properly!




$2x^2+x-2$

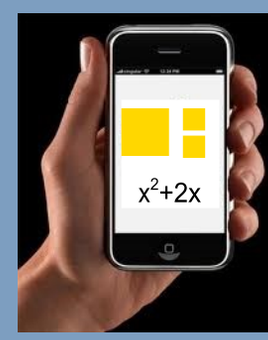


$x^2-3x+5$





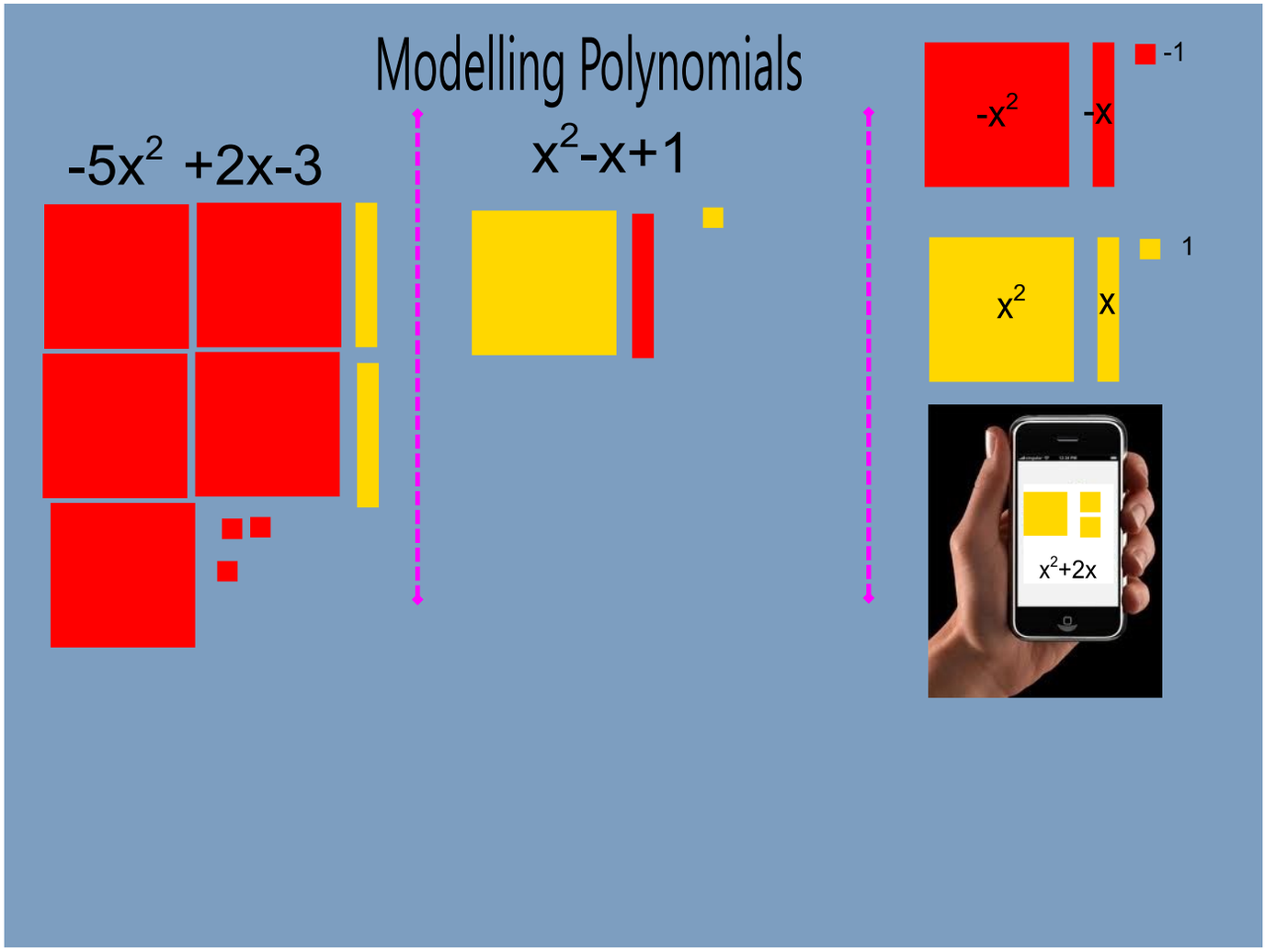




# Modelling Polynomials

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

$x^2 - x + 1$



# Class/ Homework


*Check out pages 214 - 216*

Questions: 4 , 5, 6, 7

8 ( hint write all in descending order)

9 (set up a chart)

10

11 abc

12 (Sketch the tiles and put expression beside it )

13 adeh (Sketch the tiles and put expression beside it )

14 ac