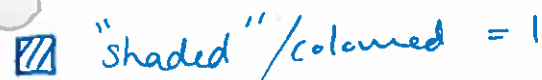
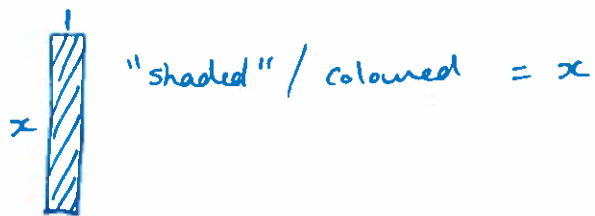
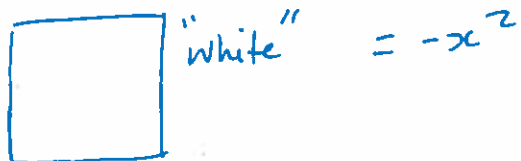
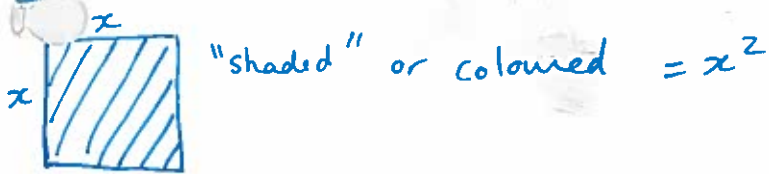


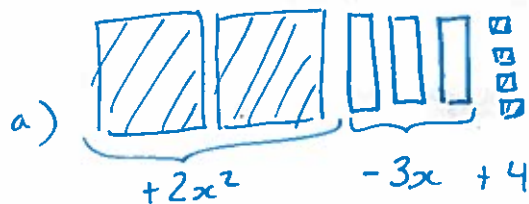
B: Introduction to Polynomials Continued

Algebra Tiles



Examples:

1. What expression is represented by each set



$$\Rightarrow 2x^2 - 3x + 4$$

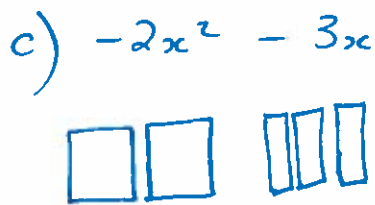
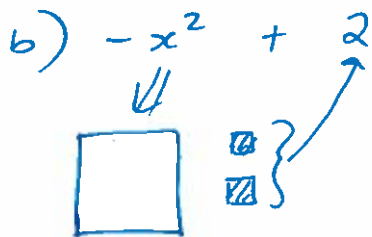
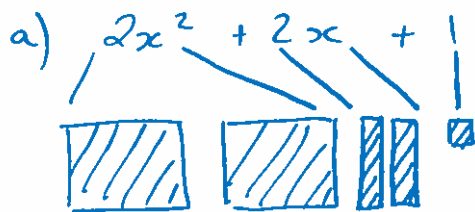


$$\Rightarrow 2x - 1$$



$$3x^2 + 6$$

2. Model each polynomial.



3. Piano lessons cost \$30 for adults and \$25 for kids.
The expression $\$30a + \$25k$ represents earnings.

a) What do the variables "a" and "k" represent?

a - # of adults taking lessons.

k - # of kids taking lessons.

b) How much is earned if 2 adults and 3 kids take lessons.

$$\begin{aligned}
 a &= 2 & k &= 3 \\
 30a + 25k & & & \\
 = 30(2) + 25(3) & & & \\
 = 60 + 75 & \rightarrow & = & \$135
 \end{aligned}$$

3. c) Write a new expression if the cost changes so \$2 more is charged for adults and \$2 more is charged for kids.

$$a: \$30 + 2 = 32$$

$$k: \$25 + 2 = \$27$$

$$32a + 27k$$

Assignment: Pg. 179 #11-14, 16-18, 20

