Algebra 1 – Unit 6
Polynomial Expressions – Pre Skills

Name: _____
Wednesday, February 7, 2007

Fold your paper on the dotted line.

Translate each question on SIDE A into an arithmetic problem.

SIDE A	SIDE B
Ed has 2 candy bars and Tom has 7 candy bars. What is the total number of candy bars?	Ed has $x^2 + 7$ candy bars and Tom has $3x - 1$ candy bars. What is the total number of candy bars?
Luz has \$14 and spends \$9. How many dollars does she have left?	Luz has $8r^2 + 4r$ and spends $3r^2 - 2r$. How many dollars does she have left?
A package of cupcakes has 6 cupcakes. I bought 5 packages. How many cupcakes do I have?	A package of cupcakes has $2c^2 - 5c + 3$ cupcakes. I bought $4c^2$ packages. How many cupcakes do I have?
I cooked 48 meatballs. If 8 people each ate an equal number of meatballs, how many did each person eat?	I cooked $36m^3 + 24m^2$ meatballs. If $6m$ people each ate an equal number of meatballs, how many did each person eat?
There are 15 questions on the test. Each question is worth 2 points. What is the highest score you can get on the test?	There are $2t^5 + t - 5$ questions on the test. Each question is worth $3t^4$ points. What is the highest score you can get on the test?
The Kims have 23 tropical fish. If 4 fish die, how many remain?	The Kims have $8f^2 + 7f$ tropical fish. If $4f + 9$ fish die, how many remain?
Ali had 37 comic books. He bought 5 more. How many comic books does Ali have?	Ali had $3c^2b - 5cb^2$ comic books. He bought $7cb^2$ more. How many comic books does Ali have?

Now, open the fold in your paper and write a polynomial expression to answer the questions on SIDE B.