Addition of Polynominals
02/29/2012

Student Name: _____

Class: _____

Date: _____

Instructions: **Read each question carefully and select the correct answer.**

1. Add.

$\left(-4x^2-8x-1\right)+\left(9+4x-6x^2\right)$

A. $-10x^4-4x^2+8$

B. $-10x^2-4x+8$

C. $-2\left(5x^4+2x^2-4\right)$

D. $-2\left(5x^3+2x-4\right)$

2. Solve for a, b, and c.

$(8x^2-ax-6)+(bx^2+15x+c)=(-13x^2+4x-19)$

A. a = 11, b = -21, c = -13
B. a =-11, b = -21 , c= 13
C. a = 19, b = -5, c = -25
D. a = -5, b = 19, c = -25

3. At Masterson Department Store, they issue prices for their clothing using polynomials and the variable x. The following is a sample listing of their prices.

Shirts = $\$4x+9$	Pants = $\$3x^2+2$
Dresses = $\$9x-20$	Shoes = $\$6x$

If Heather wants to buy three pairs of pants, one pair of shoes, and two dresses, how much will her total bill be?

A. $\$33x^3-24$

B. $\$9x^2+24x-34$

C. $\$3x^2+15x-18$

D. $\$9x^2+24x-46$

4. Simplify.

$4(a - 5) + 2(-2a - 7)$

A. -34
B. $8a - 34$
C. $8a - 6$
D. -6