

Sixth Quiz  
October 5, 2010

Name: \_\_\_\_\_

1. Find the simplified expanded form of the following polynomial:

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

2. Expand and simplify:

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

3. Expand and simplify:

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

4. Perform the following division:

$$\frac{24x^5y^6z^2 - 12x^4y^5z^3 - 18x^3y^3z^4}{-6x^3y^2z}$$