

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

**Directions:** You *must* show all your work in the provided space. Simplify your answers whenever possible. Be certain to indicate your final answer clearly.

1. Multiply:  $(2x - y)(2x + y)$ .

2. Perform the division: 
$$\frac{7x^3y^2z - 6x^2yz - xy^2z^2 + 2y^3z^3}{4x^2y^2z^2}.$$

3. Factor by finding the GCF:  $12x^3y^2 + 2x^2y^3 - 6xy^2$ .

4. Factor by grouping:  $axy + 2a - bxy - 2b$ .