Each problem is worth 5 points. For full credit provide complete justification for your answers.

1. Simplify $2y - 3y[4 - 2(y - 1)]$.

$$2y - 3y[4 - 2y + 2]$$

$$2y - 12y + 6y^2 - 6y$$

$$\boxed{6y^2 - 16y}$$

Great

2. Factor $x^3y - 9xy^3$ completely relative to the integers.

$$x^3y - 9xy^3$$

$$xy(x^2 - 9y^2)$$

$$\boxed{xy(x - 3y)(x + 3y)}$$

Nice