Bellwork Tuesday, April 15, 2014

Simplify each. Make sure your answers have no exponents that are negative or zero.

1.
$$(4P^5Q^{-3}R^2)^{-2}(2P^{-2}Q^6R^{-4})^3(P^{-3}Q^{-1}R)^{-4}$$

2.
$$(6C^5D^{-3})^2 \left(\frac{C^{-2}D^4}{3C^5D^{-1}}\right)^3$$

3.
$$\left(\frac{w^3x^{-4}}{w^{-2}y^{-3}}\right)^{-1} \left(\frac{w^{-3}y^5}{x^{-5}w^7}\right)^{-3}$$