Simplify the following. Circle your answers.

1) $3x^4 \cdot 4x^2$	2) $(-4w^2x^6y)^2$
3) $(-2x^{-3}y)^2$	4) $(-3x^{-2})^{-3}$
5) $\dfrac{6x^2}{y^3} \cdot \dfrac{y^{-2}x^3}{9x^2}$	6) $\dfrac{12x^{-3}}{y^4} \cdot \dfrac{(y^{-2}x^2)^{-1}}{15x^{-2}}$

Maybe it would be a good idea to write all the exponent rules here!