Chapter P Test (Revised 2016) College Algebra

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)
$$\frac{6x^2}{y^3} \cdot \frac{y^{-2}x^3}{9x^2}$$

6)
$$\frac{12x^{-3}}{y^4} \cdot \frac{(y^{-2}x^2)^{-1}}{15x^{-2}}$$

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