Laws of Indices – Assignment # 3

Name: _____ Date: _____

A) Evaluate:

1.) $169^{\frac{1}{2}}$ =	4.) $81^{\frac{1}{2}} \times 27^{\frac{1}{3}}$ =
2.) $3375^{\frac{1}{3}}$ =	5.) $3^3 - 7^0 \times 4^{\frac{1}{2}}$ =
3.) $(\frac{1}{3})^{-2} + 6^0$=	6.) $36^{\frac{1}{2}} + 4 \times 5 - 3^2$ =

B) Simplify:

1) $(16x^4)^{\frac{1}{2}} =$

2) $(125w^6)^{\frac{1}{3}} =$

3) $\frac{8a^2 \times a^4}{2a}$ =

4) $\frac{14y^{15}}{2y^3 \times 7y^4}$ =

5) $15a^4 \div (a^2 \times 3a) =$