

Name_____

Date_____

Mrs. Roubos

8A Period_____

Do Now

Are the following polynomials? Yes or No?

**Remember polynomials have terms whose variables have exponents that are whole numbers. The exponents may NOT be fractions, decimals or negative numbers. A polynomial can NOT have a variable in the denominator (because the exponent is really negative).

Ex's: Polynomials: -4 , p , $5m^3$, $-2ab^3c$, $2n$, x^3 , $4a^4b^3$, 7 NOT polynomials: $p^{2.4}$, 2^x , \sqrt{x} , $\frac{5}{g^2}$, $\frac{4}{3x}$, $-3x^{-4}$

1) $3x^{\frac{1}{2}}$

4) $2x^3$

2) $\frac{1}{x^2 - 1}$

5) $\sqrt{3}x$

3) $-3x^2$

6) $3\sqrt{x}$