# 5.1 Activity - Polynomial Degree and Polynomial Operations

1. Identify the degree of each polynomial.
   1. 
   2. 
   3. 
   4. 
2. Determine which expressions are polynomials. For each polynomial, state its degree and write it in general form. If it is not a polynomial, explain why not.
   1. 
   2. 
   3. 
   4. 

For the problems below, find the sum or difference.

1. 
2. 
3. 

For the problems below, find the product of the polynomials.

1. 
2. (x – 4) ( x – 7)
3. 
4. For 1980 through 1995, the number of college degrees D ( in thousands) earned by people in the United States and the percent of degrees P earned by women can be modeled by



where *t* is the number of years since 1980. Find a model that represents the number of degrees W ( in thousands) earned by women from 1980 to 1995. How many degrees were earned by women in 1991?