**Math 163  
PS1: A somewhat Historical Approach to Power Series, Lesson 1  
Questions for flipped class**

**(PS1.1)**

Consider 

1. What are the coefficients ? What is ?
2. Write the power series using sigma notation.

**(PS1.2)**

Consider 

1. What are the coefficients ? What is ?
2. Write the power series using sigma notation.

**(PS1.3)**

Consider 

1. What are the coefficients ? What is ?
2. Write the power series using sigma notation.

**(PS1.4)**

Explore using graphs to identify the power series 

**(PS1.5)**

Sometimes we will use the vocabulary “infinite series” or just “series” to describe a power series.

Explore using graphs to identify the series ****

**(PS1.6)**

Explore using graphs to identify the power series ****

**(PS1.7)**

Re-index the seriesbeginning with 

**(PS1.1 solution)**

**(PS1.2 solution)**

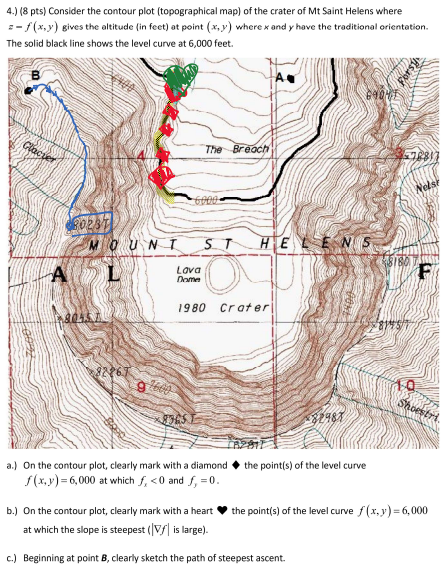
**(PS1.3 solution)**

**(PS1.4 solution)**

**(PS1.5 solution)**

**(PS1.6 solution)**

**(PS1.7 solution)**

****