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#### QUESTION:

I have a hill in my backyard; it is about 20 ft. tall and about 40 ft. wide. I am going to be landscaping my back yard and have topsoil put on the hill as well. So I need to know what kind of plants and/or grass seed I should put down over the topsoil that will germinate quickly and root to hold back the topsoil on the hill. The native ground or dirt in my back yard is really rocky too, I don't know if that matters or not, but thought I would let you know, thinking it might give a better idea of what I am dealing with.

#### Task:

Create a plan to landscape the hill. Select at least 3 plants to seed on the hill. Draw up a landscape design with at least 5 different planting areas. You may also use other erosion control materials. Create a visually pleasing display. Write a paragraph to answer the question posed. Be sure to justify your plant selection and support your decisions with facts from the plant guide. Finally, write an equation to describe the area of each of your 3 plants. Relate it to the overall area of the hill. Provide a model to prove your mathematical representations.

#### Answer:

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#### Landscape Design:

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#### Mathematical Proof:

#### Plant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AREA:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

#### Plant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AREA:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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