Assignment 1

Due: 2020-02-15, 23:00 EST.

1. The ski drag for something coming down a hill.

   - The direction of maximum output.
   - The angle of inclination.
   - The force acting on the object.
   - The distance traveled through the snow.

   What is the maximum output?

2. The arm of strength is producing a certain statement that involves producing a lever arm output.

   - The arm of strength is in a vertical position.
   - The angle of inclination is in a horizontal position.
   - The force acting on the object.
   - The distance traveled through the snow.

   What is the maximum output?

3. A simple machine is a lever arm that involves producing a lever arm output.

   - The arm of strength is in a vertical position.
   - The angle of inclination is in a horizontal position.
   - The force acting on the object.
   - The distance traveled through the snow.

   What is the maximum output?

4. Which of the following does not connect to an electrical system?

   - A switch
   - An ammeter
   - A resistor
   - A light bulb

   What is the maximum output?

5. A mechanical advantage is a lever arm that involves producing a lever arm output.

   - The arm of strength is in a vertical position.
   - The angle of inclination is in a horizontal position.
   - The force acting on the object.
   - The distance traveled through the snow.

   What is the maximum output?

6. A mechanical advantage is a lever arm that involves producing a lever arm output.

   - The arm of strength is in a vertical position.
   - The angle of inclination is in a horizontal position.
   - The force acting on the object.
   - The distance traveled through the snow.

   What is the maximum output?

7. A mechanical advantage is a lever arm that involves producing a lever arm output.

   - The arm of strength is in a vertical position.
   - The angle of inclination is in a horizontal position.
   - The force acting on the object.
   - The distance traveled through the snow.

   What is the maximum output?

8. A mechanical advantage is a lever arm that involves producing a lever arm output.

   - The arm of strength is in a vertical position.
   - The angle of inclination is in a horizontal position.
   - The force acting on the object.
   - The distance traveled through the snow.

   What is the maximum output?