SIMPLE MACHINES
Quiz

IMA	= D_E / D_R
IE	= R / IMA
W_O	= R x D_R
W_I	= E x D_E
AMA	= R / E
%E	= (Work output / work input) x 100

Directions: Select the best answer, and code it on the answer sheet provided. Make sure you have coded in all information. Remember, ALL coding errors are your responsibility.

1. 13.1 The fixed support on which a lever is pivoted upon:
   A. wedge
   B. inclined plane
   C. fulcrum
   D. resistance distance

2. 13.1 The force exerted by a machine is:
   A. efficiency
   B. resistance
   C. effort
   D. AMA
   E. IMA

3. 13.2 A wheel over which a rope or belt is passed is which simple machine?
   A. pulley
   B. lever
   C. wheel and axle
   D. wedge
   E. screw

4. 13.2 Simple machines that are extension of the inclined plane are two (2) of the following:
   A. pulley
   B. levers
   C. wheel and axle
   D. screw
   E. wedge

5. 13.3 When a person lifts a ball in the palm of the hand this is an example of which type of lever?
   A. first class
   B. second class
   C. third class
   D. forth class
   E. fifth class

6. 13.3 A wheelbarrow is an example of which type of lever?
   A. first class
   B. second class
   C. third class
   D. forth class
   E. fifth class