Q.1

Answer: - g = 2.01

 $T = 2\pi [1/9]$  $2.01 = 2\pi [1]$ 

0,2

Answer:

A concave mirrox always produce real and inverted image of those objects that are placed beyond the pringpel focus.

Q3

Answer:

A restoring force always

pushes or pully the object

performing oscillatory motion towards

the mean position. So, at the

mean position of SHM, the restoring

force will be zero.

Q.4:

Answer:

charged and on an insulated stand.
Bring a positively charged rod near
the insulated object. The rod will attract hegative charges toward it
and repel positive charges away.

No, wavelength does not increase with and increase in the frequency of waves because frequency depends upon the source that produce waxes per second. The wavelength of the wave depend on the magnitude of vibrating particles. The current in each wire generate magnetic field around each wire. & other side of the wire the field is strong. So a force hence they attract each other.

Q.Z
Answer:
Conductors:
and offer less resistance
*) They have larger number of electrons
*) Metal like silver are good conductors
Insulators:
*) Current cannot flow in it.
*) It has good resistance
A) There are no free electrons
*) Example are glass and wood.