1. A wire is oriented as shown in the following figure. A magnetic field in the y-direction exists and is equal to 0.45 T. The wire moves in the *zy* plane at an angle of 60 degrees below the *xy* plane with a speed of 1.25 m/s. Find the emf generated in this wire
2. with a speed of 1.25 m/s. Find the emf generated in this wire.

z

B field

x

y

60o

0.60 m

v

0.50 m

.70 m