

ASSIGNMENT (1): SEISMIC COMPUTING

1. what is the slope angle of a line drawn through the points:
 - (3,4) and (-3,-2)
 - (4,3) and (-6, 3)
2. Draw a line through the point (-3 , 6) with its slope angle equals to 45°
3. A wave is emerging at an angle of 31° to the surface in a medium in which the velocity is 7,200 ft/sec. What will be the difference in time observed in the neighborhood of this emerging wave at two points 520 ft apart?

$$I=31^\circ$$

$$V= 7200 \text{ ft/s}$$

$$\Delta X= 520 \text{ ft}$$

$$\Delta T= ?$$

4. Show that the angle of incidence is equal to the angle of reflection.