

**King Saud University**  
**Dept. of Geology & Geophysics**  
**GPH 221 – Seismic Exploration**  
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**Due on: Sunday, 13/10/2015**

**ASSIGNMENT (2): 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  $45^\circ$
3. A wave is emerging at an angle of  $31^\circ$  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?

$$I=31^\circ$$

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

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

$$\Delta T= ?$$