3.4 - Snell's Law - Worksheet

- 1. Calculate the sines for the following angles. Put to 4 significant figures.
 - a) 30°
- b) 15°
- d) 45°

0.5000

0.2588

- 0,707/
- 0.000 ×100

f) 75°

0,9659

g) 90°

1,00 410

- 2. Calculate the angles for the following sines. Follow the sig-fig rules.
 - a) 0.2517
- b) 0.1578
- c) 0.88
- d) 0.757

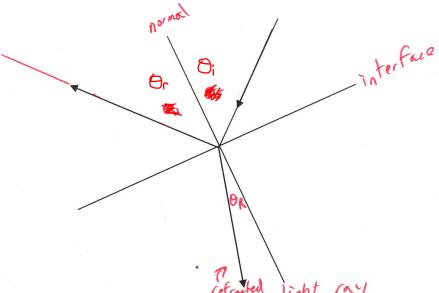
14.58°

9.079°



49.2°

3. In the diagram below, label the angle of incidence, the angle of refraction, the angle of reflection, the normal, the refracted light ray, and the interface:



4. In the diagram above, is light going into a substance that is more or less refractive? Draw a sketch of the opposite situation.

