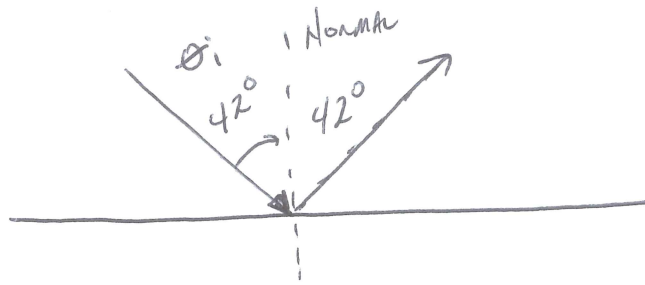


1) THE WATER WILL FILL IN THE SMALL IMPERFECTIONS IN THE GROUND GLASS MAKING IT MORE SMOOTH

2) DRAW PICTURE



A) LAW OF REFLECTION STATES THAT $\theta_i = \theta_r$

$$\Rightarrow \theta_r = 42^\circ$$

B) THE ANGLE THAT THE RAY MAKES WITH THE MIRROR IS 48°

$$42^\circ + 48^\circ = 90^\circ$$

$$c) 42^\circ + 42^\circ = 84^\circ$$

3) LAW OF REFLECTION

$$\theta_i = \theta_r$$

$$35^\circ = 35^\circ \text{ (GIVEN)}$$

4) $38^\circ = \theta$

$38^\circ + 13^\circ = 51^\circ$

5) DRAW PICTURE

60°

