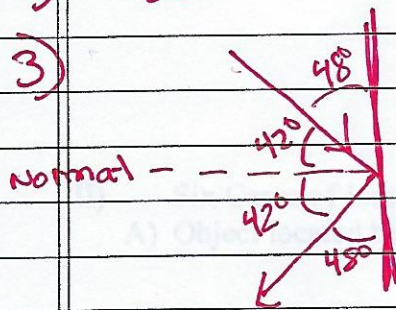


Pg. 412 #1-5 414 #7-10

1) If you spill water on it the surface gets smoother so the reflection becomes more regular.

2)  $35^\circ$

3)



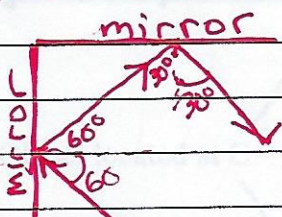
a)  $42^\circ$

b)  $90 - 42 = 48^\circ$

c)  $48^\circ$

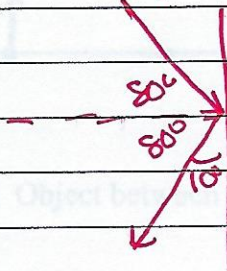
4)  $38 - 13 = 25^\circ$

5)



$30^\circ$

7)

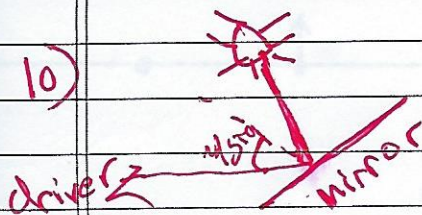


$10^\circ$

8) 3.0m behind mirror and 50.0cm tall virtual image

9) In all reflection the angle of incidence is equal to the angle of reflection, but in diffuse reflection there is no pattern

10)



If the sun is  $45^\circ$  the light will reflect into the driver's eyes