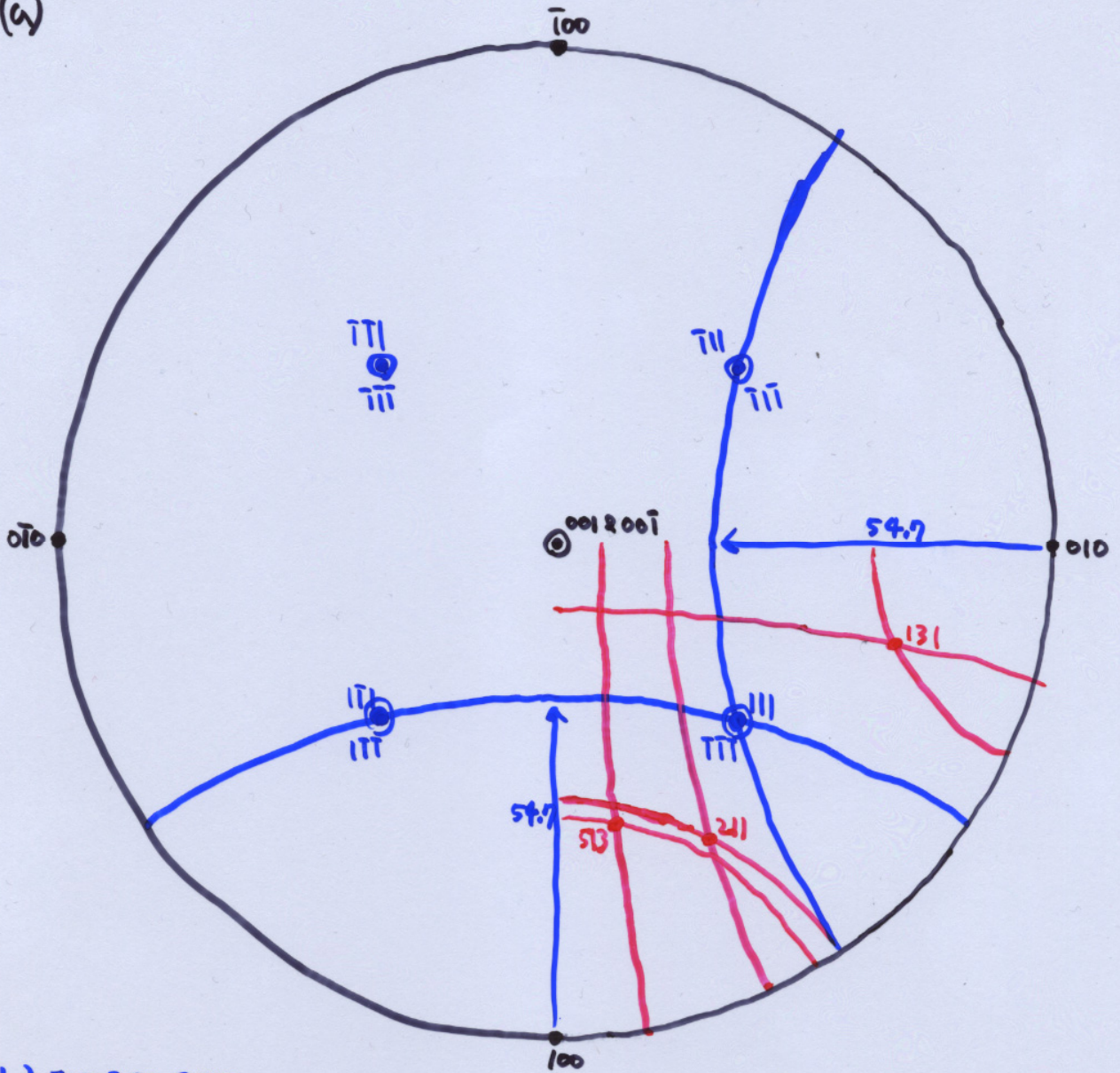


1.

(a)



(b)  $[100]$ 과  $[111]$ 이 이루는 각도.

$$l = 1 \cdot \sqrt{3} \cos \theta, \quad \theta = 54.7^\circ$$

$$[010] \text{ 과 } [111] : \theta = 54.7^\circ$$

각 pole에서  $54.7^\circ$  떨어진 small circle을 그렸을 때 교점을 구한다.

(c)  $[100]$ 과  $[211]$  :  $\theta = 35.3^\circ$

$[010]$ 과  $[211]$  :  $\theta = 65.9^\circ$

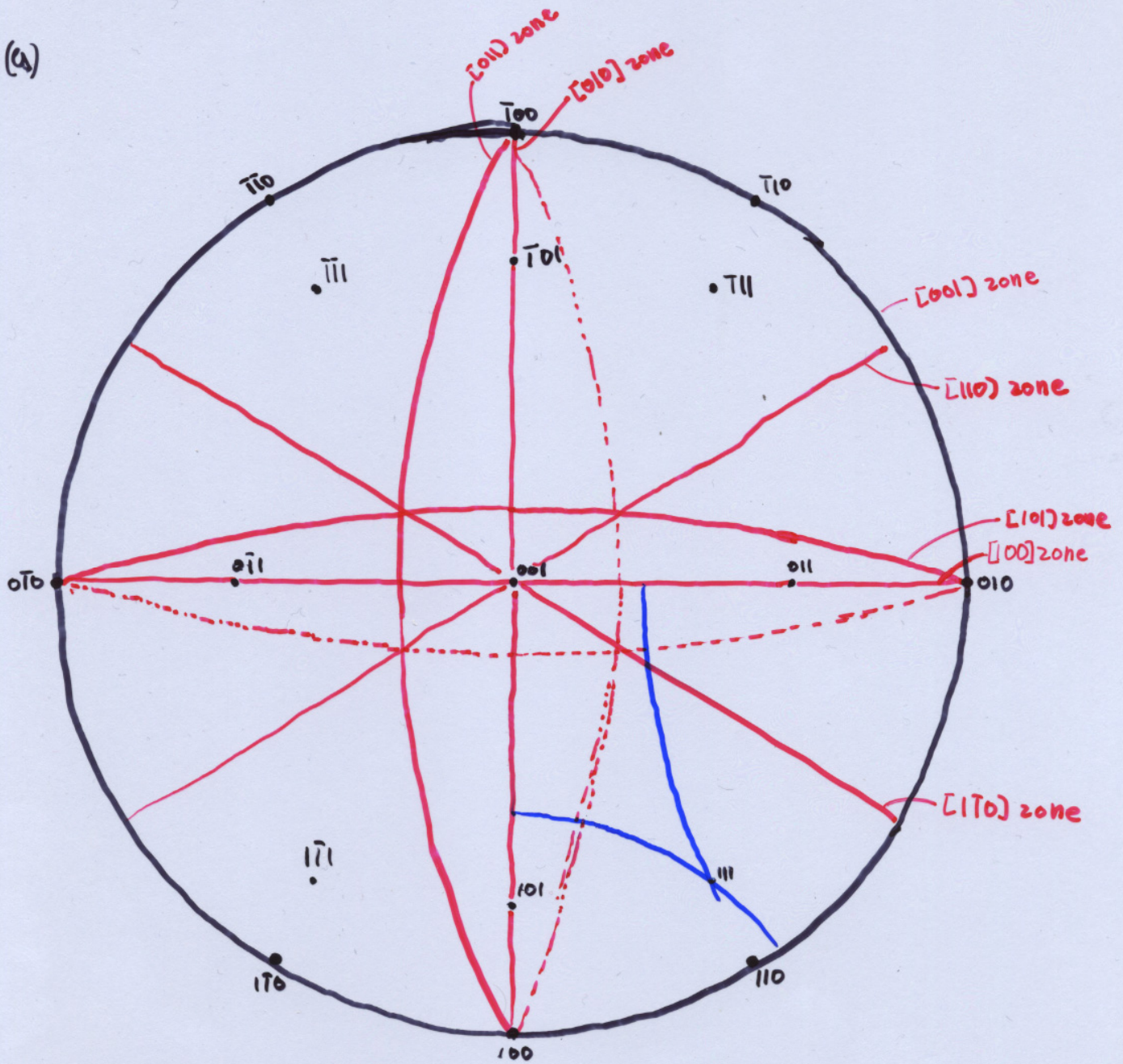
$[100] \wedge [131] : \theta = 72.5^\circ$

$[010] \wedge [131] : \theta = 25.2^\circ$

$[100] \wedge [513] : \theta = 32.3^\circ$

$[010] \wedge [513] : \theta = 80.3^\circ$

2. (a)



$[100] \wedge [110] : \theta = 33.2^\circ$   
 $[010] \wedge [011] : \theta = 56.8^\circ$

$[100] \wedge [101] : \theta = 18.5^\circ$

$[001] \wedge [011] : \theta = 63.0^\circ$

$[100] \wedge [111] : \theta = 36.3^\circ$

$[010] \wedge [111] : \theta = 58.1^\circ$

(b)