

i) $\alpha = 180^\circ$

$$90^\circ x - 180^\circ y - 180^\circ y \dots\dots$$

	<u>T1 (ms)</u>	<u>T2 (ms)</u>
1	200	50
2	600	150
3	900	200
4	1200	250
5	1500	300

ii) $\alpha = 120^\circ$

$$120 + (90 - 60) = 150^\circ$$

$$90^\circ x - 150^\circ y - 120^\circ y - 120^\circ y \dots\dots$$

iii) $\alpha = 60^\circ$

$$60 + (90 - 30) = 90^\circ$$

$$90^\circ x - 90^\circ y - 60^\circ y - 60^\circ y \dots\dots$$

c) For higher flip angles, contrast does not depend on T1, but it does for lower flip angles.