3.38 This problem calls for specification of the indices for the two planes that are drawn in the sketch.

Plane 1 is a (211) plane. The determination of its indices is summarized below.

	x	y	z
Intercepts	$a/2$	b	c
Intercepts in terms of a, b, and c	1/2	1	1
Reciprocals of intercepts	2	1	1
Enclosure		(211)	

Plane 2 is a $(0\bar{2}0)$ plane, as summarized below.

	x	y	z
Intercepts	∞a	$-b/2$	∞c
Intercepts in terms of a, b, and c	∞	-1/2	∞
Reciprocals of intercepts	0	-2	0
Enclosure		$(0\bar{2}0)$	