Physics C Chapter 33 HW	2221) 1
33.9) nisino, = nzsinoz	33.21)a) [12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Sin(62.4°)= = 5 sin(45.7°)	0 02
V= 2,58×10°5	SIND = TI
	sin 0 = 1.52
33.11) a) nisino 1 = nzinoz	Oc=41.14°
0 = 10°-65° = 25°	Kmax = 90°- 41,14°
1x 51 0 25" = \$ 510 480	drex = 48.86°
nx =- 2:34	b) sinde= 1.73
b) n,sind, = n2sin02	Oc = 61.64°-
4 sin 46° = sin 02	dnax = 28.96% 102 (1
02=82:250	2 Mills
. dal Green 1 gales.	33.39)
51.15) n=1,62	33,39) O.Y. n=1,40
a) sind = 12	
Sin Oc = 1.62	n, sind, = nzsindz
Oc= 36.11°	sinon = 1,40 sin (90°-00)
0=90-00	sin Oc = 12
Ø= 51.89°	sinoc = 1.40 2 200 .
b) sinde= 1.73	Oc = 45.58° 1 -15.
De = 22-16. "	sin6= 1,40sh (44,41)
0 = 34,813)	09= 78.46
311	- 12 2000
3.20)	33.43) N= 580nm, 1= 1.45km
10.80	t= 2.55mm, n=1.70
10.1	nt= em ma one ()()
	f= 5,17×10 14Hz
Sin0 = 11,23	n= 2 10 . (60) 313
0 = 48,75°	V=1,76×1085
10.8 0) = 335 35	(); f= v= 6 0
	21 = 341,34nm
tanoc= 10.8m	number of on outside = 3-t
(= 12.32 m	# 7:= 20603.45
A=476.57n2	#70= 7470.56
11-11011.	#n= 2, 81×104



