20	10	
20	12	

Name:		
variic	 	

3-2. Bragg's Law limits

For X-rays of wavelength A = 1.5 Å, what is the smallest Bragg plane d spacing which could produce a diffracted ray? In what direction with respect to the incident beam is this diffracted ray going?

Make a drawing to show this, including direction of incoming and "reflected" rays.

What is the longest wavelength of x-rays which will diffract from a crystal with largest Bragg plane d spacing = 100 Å?