Exercise 3: Determine the unit cell from the diffraction pattern (due Nov 1)

- \( d \) = spacing between spots in a row, in mm.
- \( L \) = Crystal-to-film distance in mm = 100
- Bragg angle \( \theta = \tan^{-1}(d/L)/2 \)
- \( |a| = \lambda/(2\sin(\theta)) \)
- \( |a| \approx \lambda L/d \)
- Calculate \( |a|, |b| \) and \( \gamma^* \)
1cm = crystal-to-film = 10cm