Each small group is assigned a spherical harmonic from the list below:

- 1. Y_1^1
- 2. Y_1^0
- 3. Y_1^{-1}
- 4. Y_2^1
- 5. Y_2^0
- 6. Y_2^{-1}

Using a tiny Argand diagram, represent the value of the spherical harmonic at:

- at the equator $(\theta=\pi/2)$ for $\phi=0,\frac{\pi}{4},\frac{\pi}{2},\frac{3\pi}{4},\pi,\frac{5\pi}{4},\frac{3\pi}{2},\frac{7\pi}{4}$
- repeat for $\theta = \frac{\pi}{6}, \frac{\pi}{3}, \frac{2\pi}{3}, \frac{5\pi}{6}$

Tip: Make reference marks in black and draw the complex value of the spherical harmonic in a different color.