$$3. \quad 2. \quad \textbf{1. BZ} \quad 2. \quad 3.$$

$$-\frac{3\pi}{a} \quad -\frac{2\pi}{a} \quad -\frac{\pi}{a} \quad 0 \quad \frac{\pi}{a} \quad \frac{2\pi}{a} \quad \frac{3\pi}{a} \quad k$$