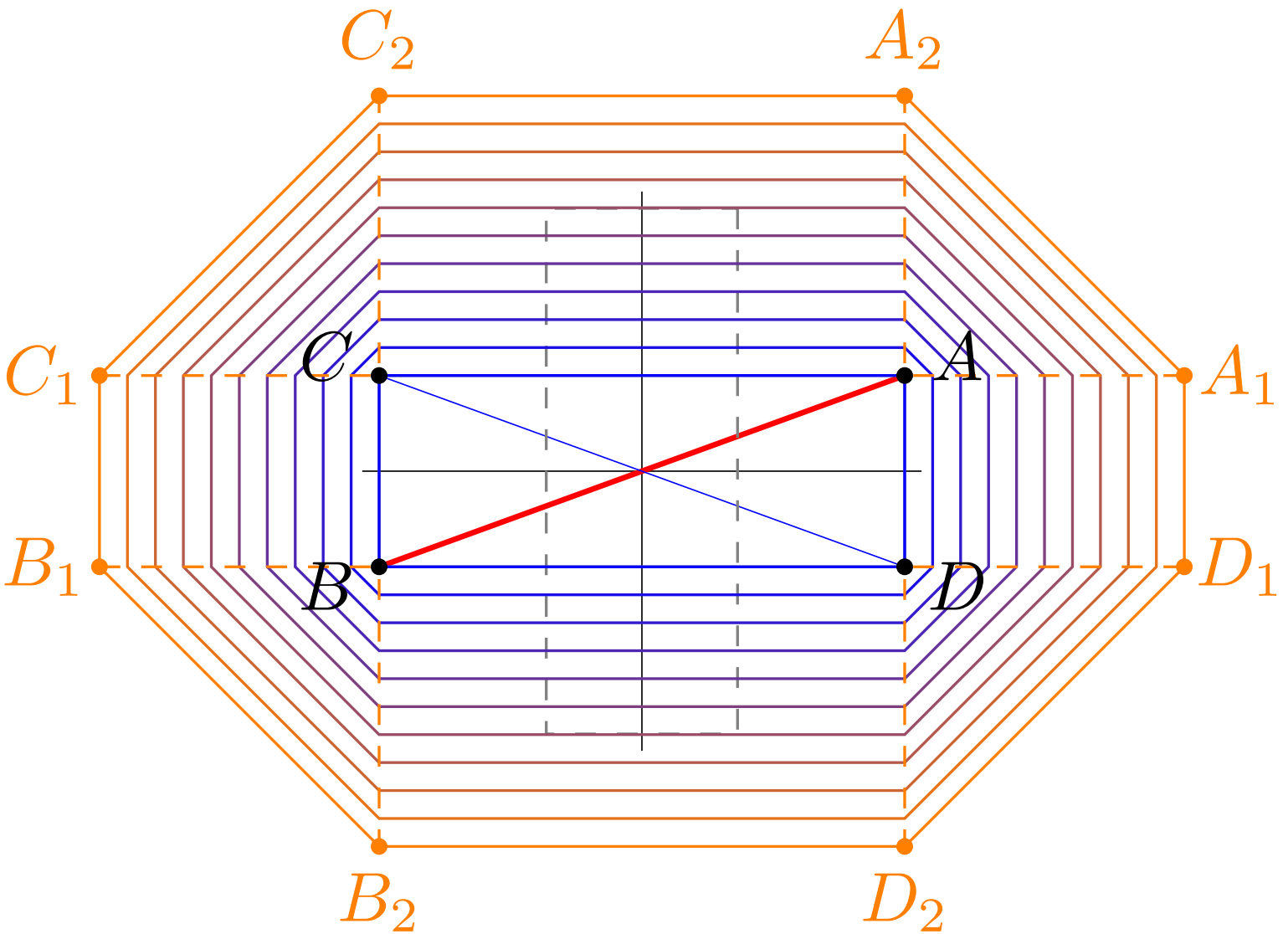$\theta = 0.1111 \cdot \pi$