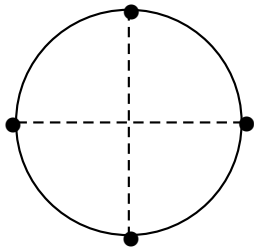
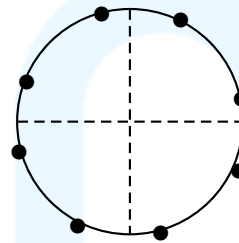


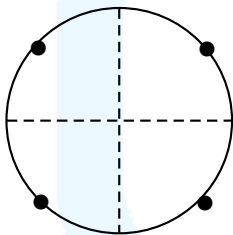
نقاط انتهایی کمان‌های زیر را روی دایرهٔ مثلثاتی نشان داده ایم. ( $k \in \mathbb{Z}$ )



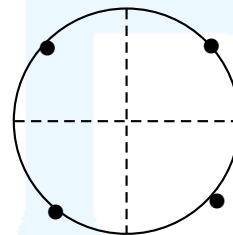
$$1) x = \frac{k\pi}{2}$$



$$2) x = \frac{\pi}{3} - \frac{k\pi}{4}$$



$$3) x = k\pi \pm \frac{\pi}{4}$$



$$4) x = \frac{k\pi}{2} + \frac{\pi}{4}$$