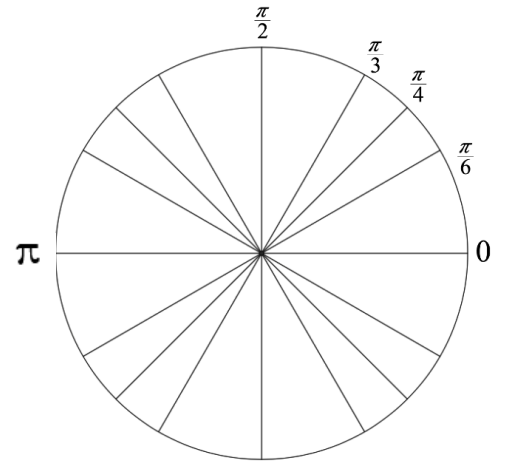
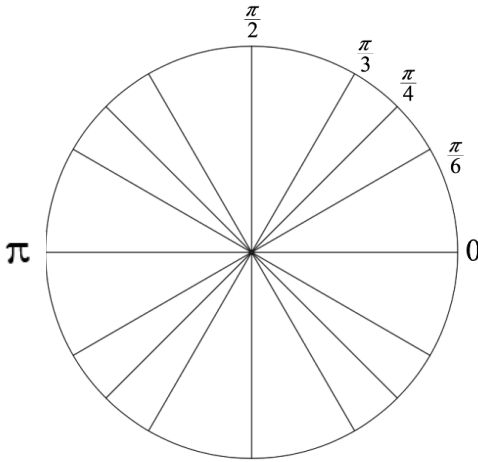


For each, a central angle in radians and a radius length is given. For arcs, shade/highlight the arc length and then find the exact length of the arc. For sectors, shade in the sector and find the exact area.

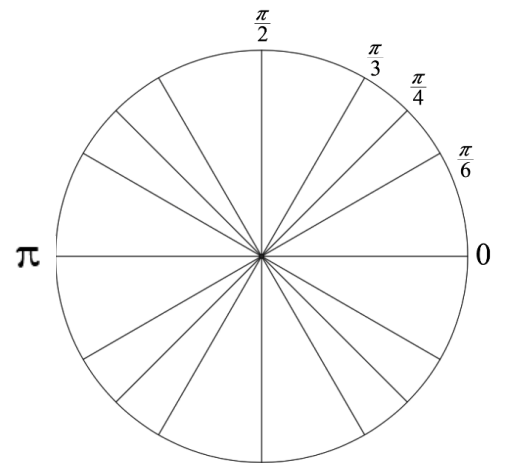
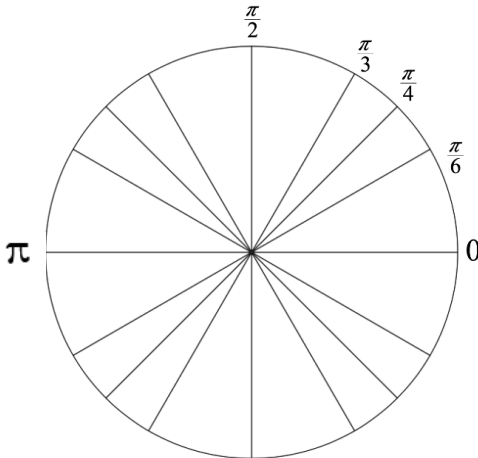
E1: $r = 4, \theta = \frac{2\pi}{3}$, find arc length

E2: $r = 3, \theta = \frac{3\pi}{4}$, find sector area



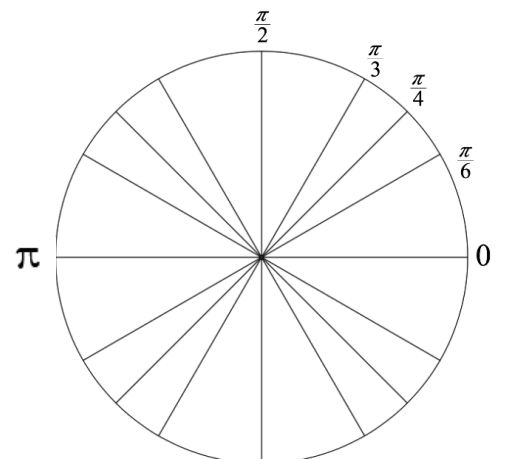
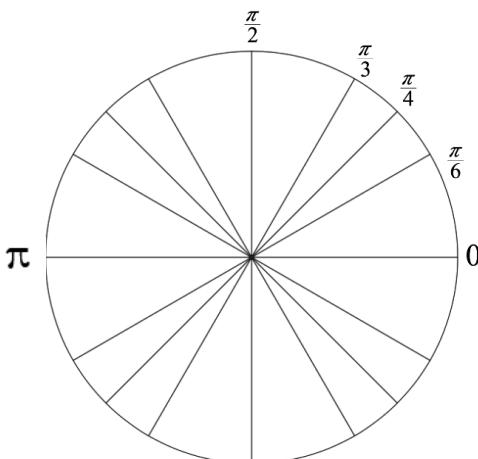
1: $r = 2, \theta = \frac{5\pi}{6}$, find arc length

2: $r = 2, \theta = \frac{4\pi}{3}$, find sector area

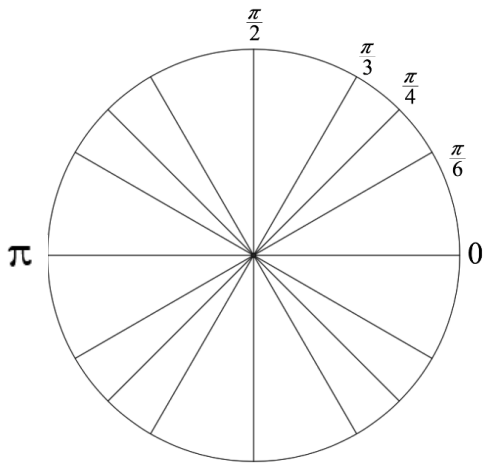


3: $r = 4, \theta = \frac{\pi}{3}$, find arc length

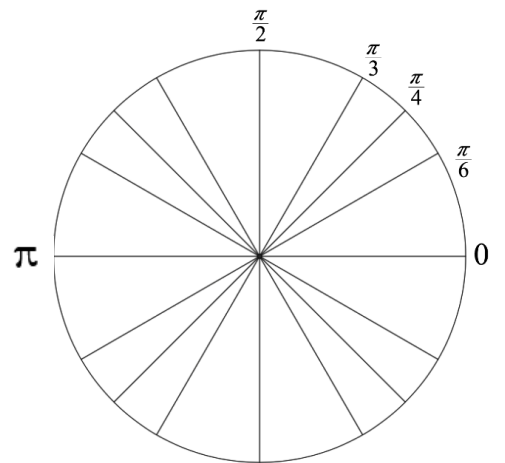
4: $r = 2, \theta = \frac{7\pi}{6}$, find sector area



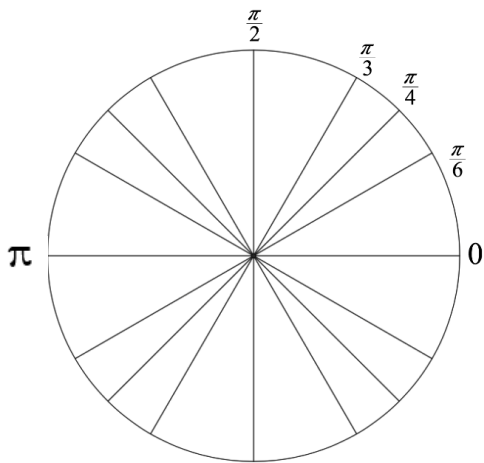
5: $r = 3, \theta = \frac{3\pi}{2}$, find arc length



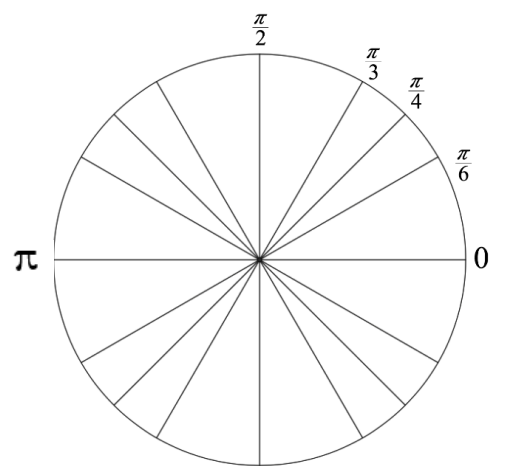
6: $r = 6, \theta = \frac{2\pi}{3}$ find sector area



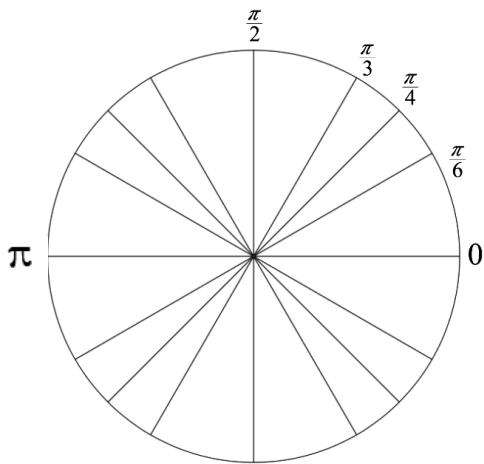
7: $r = 2, \theta = \frac{7\pi}{4}$, find arc length



8: $r = 3, \theta = \frac{11\pi}{6}$, find sector area



9: $r = 3, \theta = \frac{5\pi}{3}$, find arc length



10: $r = 2, \theta = \frac{5\pi}{3}$, find sector area

