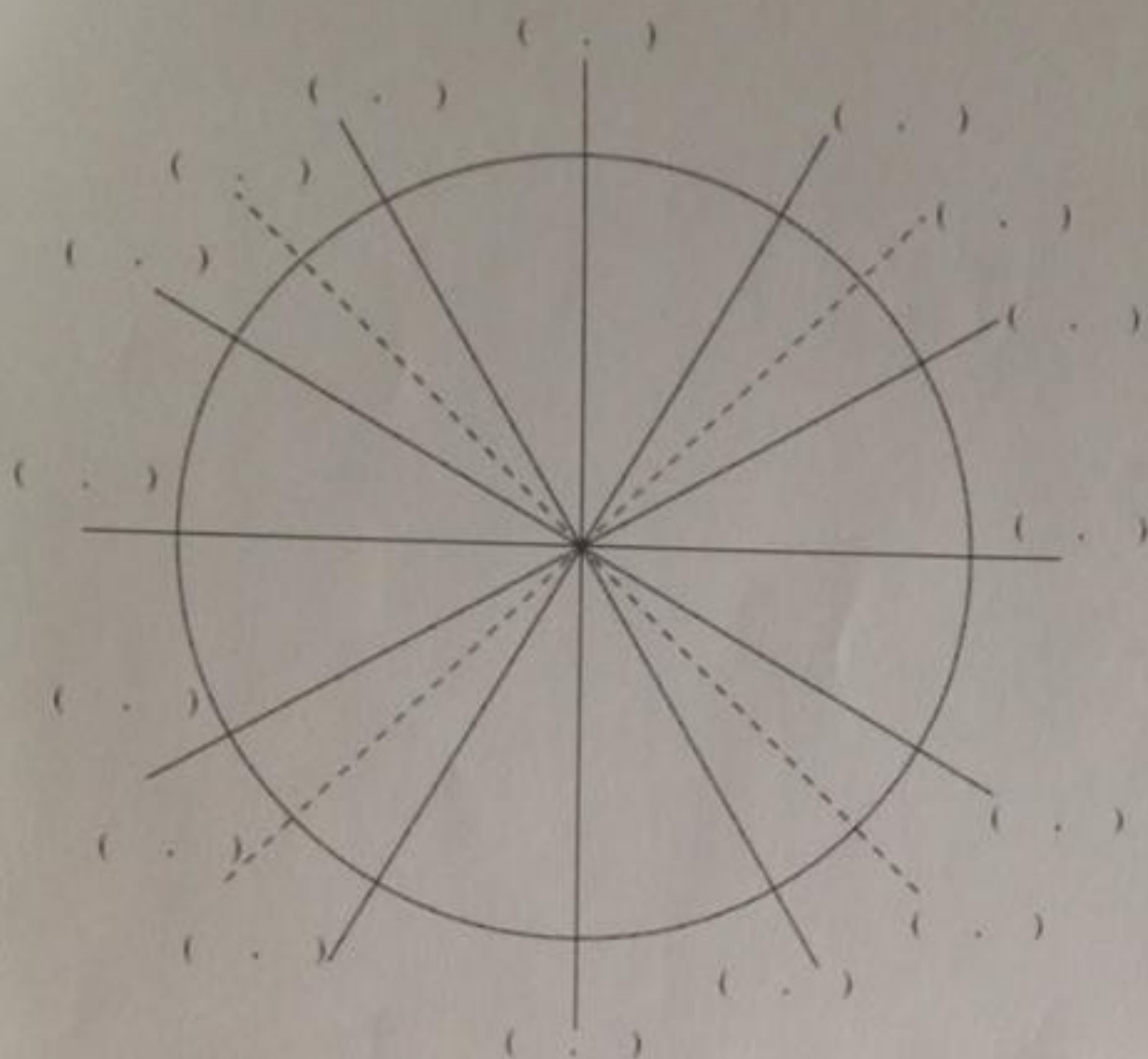


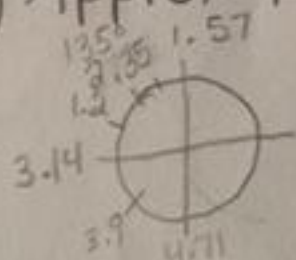
Unit Circle Values



Approximating Decimal Radians as Degrees

- * Halfway around the unit circle is approx 3.14 radians ($\pi \approx 3.14 \text{ rad}$) which is 180°
- $\frac{1}{4}$ of a rotation is approx 1.57 radians ($3.14 \div 2$) $\rightarrow 90^\circ$
- $\frac{3}{4}$ of a rotation is approx 4.71 radians (1.57×3) $\rightarrow 270^\circ$
- 1 Rotation is approx 6.28 radians (3.14×2) $\rightarrow 360^\circ$

ex) Approx how many degrees is 2 radians?



$$1.57 \div 2 = .79$$

$$\approx 120^\circ$$

ex) " " 3.5 radians?

$$\approx 200^\circ$$

as long as its the correct quadrant