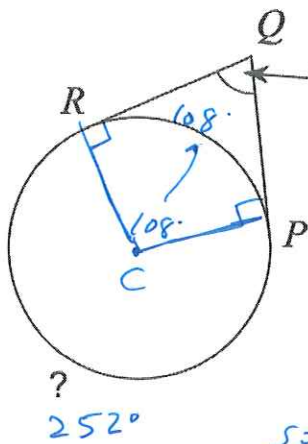


C-A2c

Practice Assessment

Solutions NM

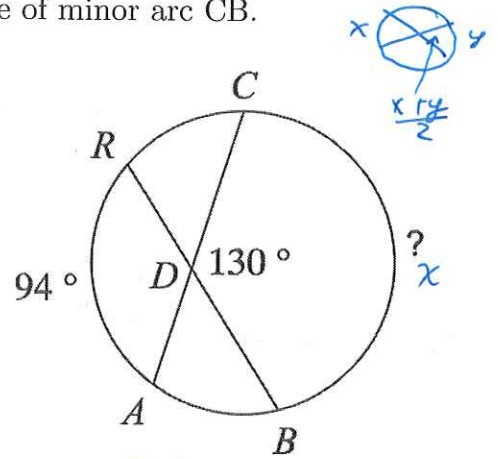
1. Find the measure of major arc RP if $\angle Q = 72^\circ$



360° in RCPQ
 $- 90$
 $- 72$
 $- 90$

 108° for $\angle C$
 So 108° for \widehat{RP} (minor)
 360° in any circle
 So $360^\circ - 108^\circ =$
252°

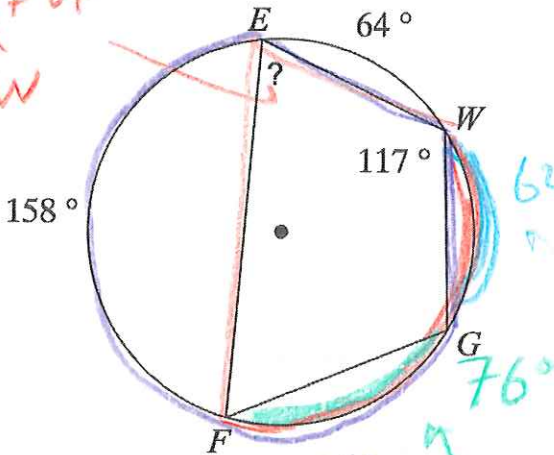
2. Find the measure of minor arc CB.



$\frac{94 + x}{2} = 130$
 $94 + x = 260$ mult. by 2
 $- 94$
x = 166°

C-A3a: 3. Find the measure of angle E.

Half of FGW



$\widehat{EFG} = 234^\circ$
 $- \widehat{EF} \quad 158$

 $\widehat{FG} = 76^\circ$

360° in total
 $- 64$
 $- 158$
 $- 76$

 62° left for WGE

$\frac{3\pi \cdot 180^\circ}{4 \cdot \pi} = \frac{540^\circ}{4} = 135^\circ$

C-B5c 4. Convert each to the appropriate unit.

Degrees	Radians
120°	$\frac{2\pi}{3}$
135°	$\frac{3\pi}{4}$
30°	$\frac{\pi}{6}$

Conversions:

$$\frac{180^\circ = \pi \text{ rad}}{\downarrow \quad \downarrow}$$

deg \rightarrow rad: mult. by $\frac{\pi}{180}$

rad \rightarrow deg: mult. by $\frac{180}{\pi}$

So Now FGW

$= 76^\circ + 62^\circ$
 $= 138^\circ$

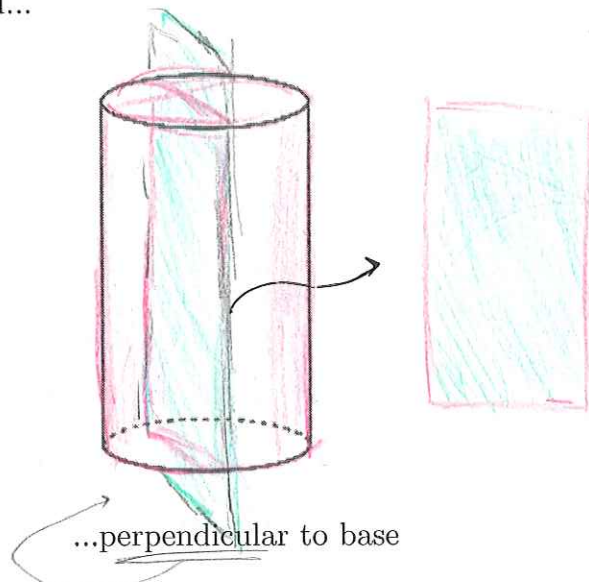
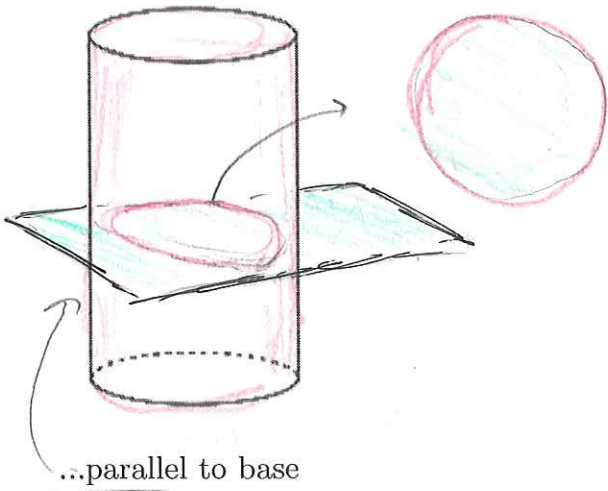
So $\angle E = \frac{138^\circ}{2} = \text{69°}$

$\frac{120^\circ \cdot \pi}{180^\circ} = \frac{120\pi}{180}$
 \Downarrow reduce
 $\frac{2\pi}{3}$

$\frac{30^\circ \cdot \pi}{180^\circ} = \frac{30\pi}{180} = \frac{1\pi}{6}$

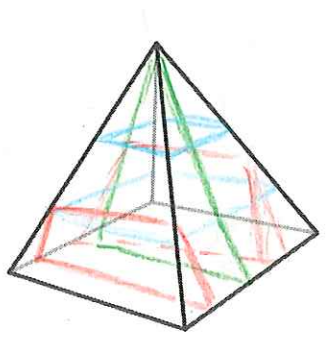
GMD-4a the shape of

5. Sketch the indicated cross section when created...



Be prepared for:
 { cylinder
 cone
 prism
 pyramid
 cross-sections

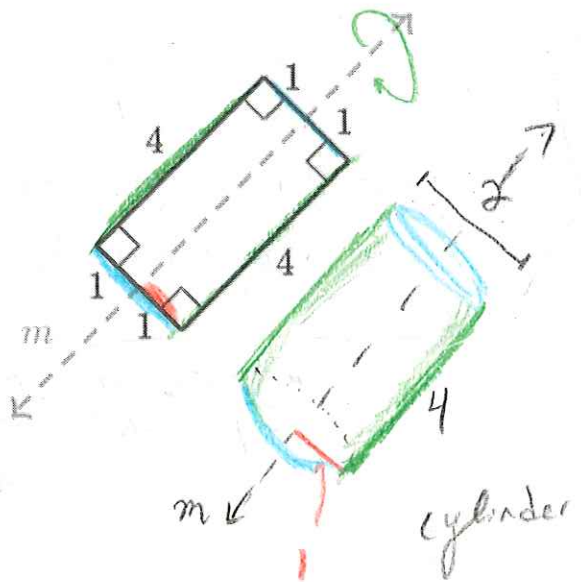
6. Select ALL shapes that could be made by cross sections of a square pyramid.



- square
- trapezoid
- cube
- circle
- triangle

GMD-4b

7. Select ALL of the following that are true, if the rectangle is revolved around line m .



- It forms a rectangular prism with height 2
- It forms a cylinder with height 2
- It forms a cylinder with height 4
- It forms a cylinder with radius 2
- It forms a cylinder with radius 1