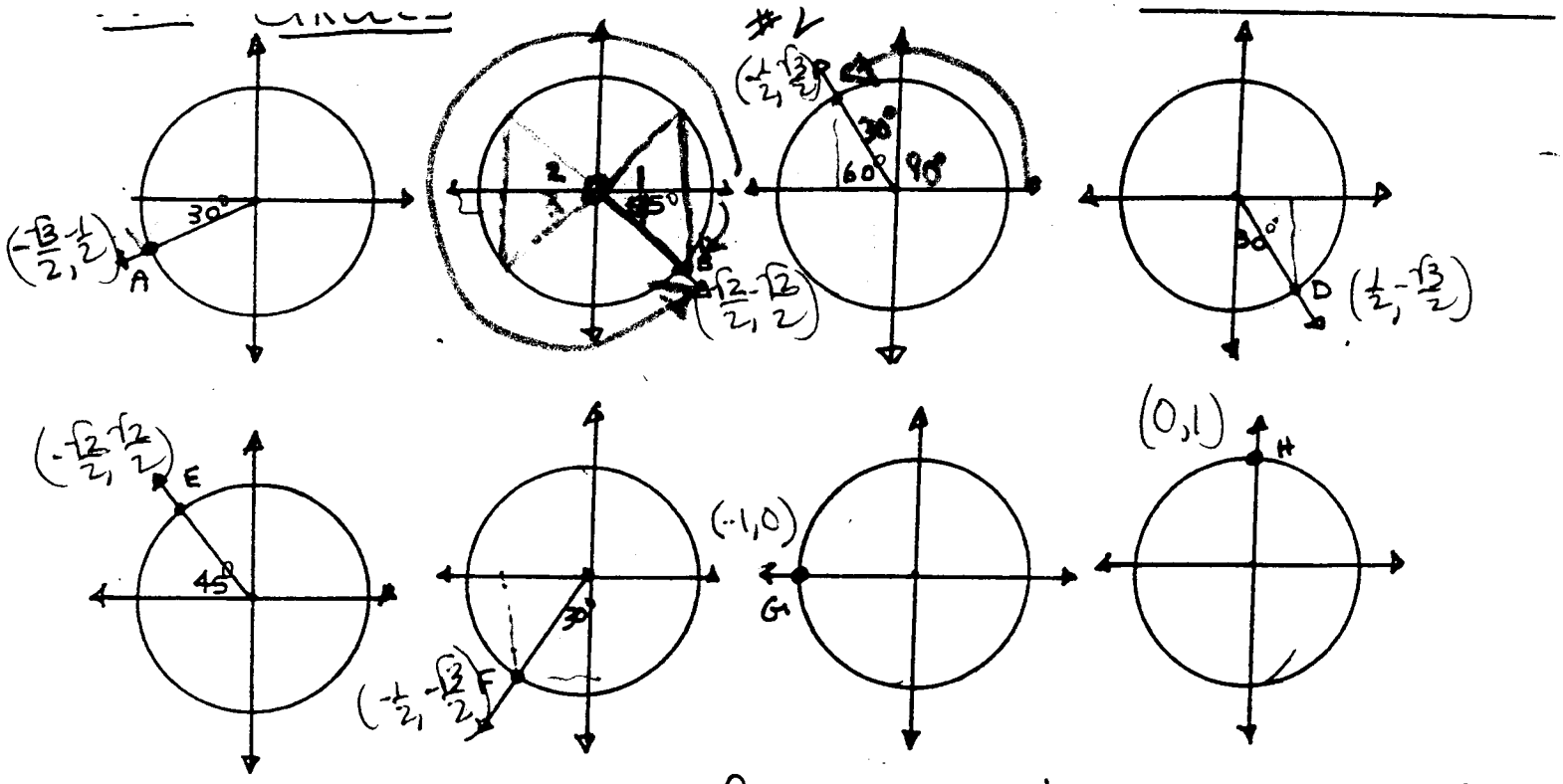


1- Find the coordinates of each point - exact answers

2- Then write each coordinate point in terms of $\sin\theta$ $\cos\theta$ when $\theta \geq 0$

A

B $(\cos 315°, \sin 315°)$

C $(\cos 120°, \sin 120°)$

D

E $(\cos 135°, \sin 135°)$

F $(\cos 240°, \sin 240°)$

G $(\cos 180°, \sin 180°)$

H $(\cos 90°, \sin 90°)$

3- Write each coordinate point in terms of $\sin\theta$ and $\cos\theta$ when $\theta \leq 0$

A

B $\cos(-45°), \sin(-45°)$

C $\cos(-240°), \sin(-240°)$

D $(\cos -60°, \sin -60°)$

E $(\cos -225°, \sin -225°)$

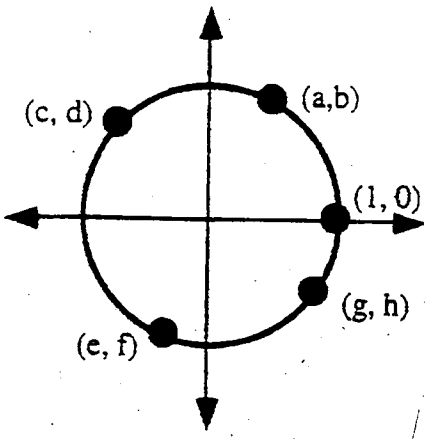
F $\cos -120°, \sin -120°$

G $(\cos -180°, \sin -180°)$

H $(\cos -270°, \sin -270°)$

No Calculator

Name _____



A. Give the exact numerical value of g^2+h^2. 1

B. Give one equation with two variables whose solutions are all the points on the circle in the illustration aboves. $x^2+y^2=1$

C. By referring to the illustration above, give the letter that best matches each of the following:

1. sin (⁻380°) h 2. cos (130°) c 3. sin (⁻105°) f
4. cos (⁻230°) c 5. sin (700°) h 6. cos (255°) e

2. Give exact values

a. sin 60° $\frac{1}{2}\sqrt{3}$

b. cos 120° $-\frac{1}{2}$

c. sin 270° -1

d. cos 135° $-\frac{1}{2}\sqrt{2}$

e. sin 315° $-\frac{1}{2}\sqrt{2}$

f. cos 90° 0

g. sin 240° $-\frac{1}{2}\sqrt{3}$

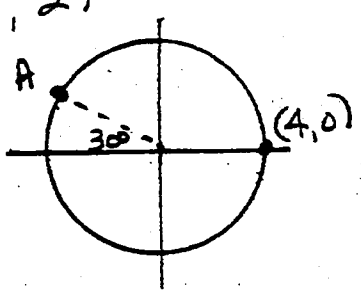
h. cos 210° $-\frac{1}{2}\sqrt{3}$

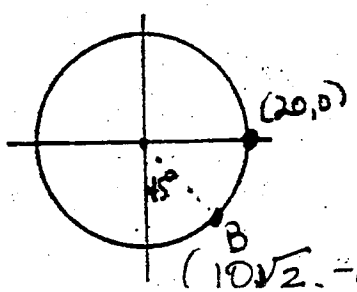
i. sin −30° $-\frac{1}{2}$

j. cos 225° $-\frac{1}{2}\sqrt{2}$

3. Label These Points with Exact Coordinates (do not write in terms of cosθ or sinθ) Note: these a not unit circle

A $(-2\sqrt{3}, 2)$





C $(-5, 5\sqrt{3})$