

Angles in Standard Position Menu Task:

Build as *few* angles in standard position as possible to satisfy each constraint at least once.

Use the unit circles below to make your thinking visual.

A.	The terminal arm is in quadrant IV	B.	The reference angle is less than 30°
C.	$\sin(\theta) > 0$	D.	The terminal arm is on an axis
E.	The reference angle cannot be found in a special triangle	F.	$\sin(\theta) > \cos(\theta)$
G.	$\cos(\theta)$ is a rational number	H.	$\tan(\theta) < 0$

Which constraints pair nicely?

Which constraints cannot be paired?

Is it possible to solve in 2, 3, or 4 angles in standard position?

Describe how and why you built each angle.

Be sure to identify which angles satisfy which constraints.

