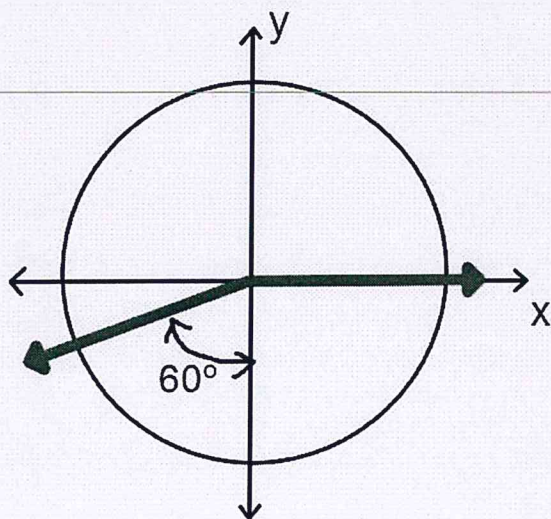
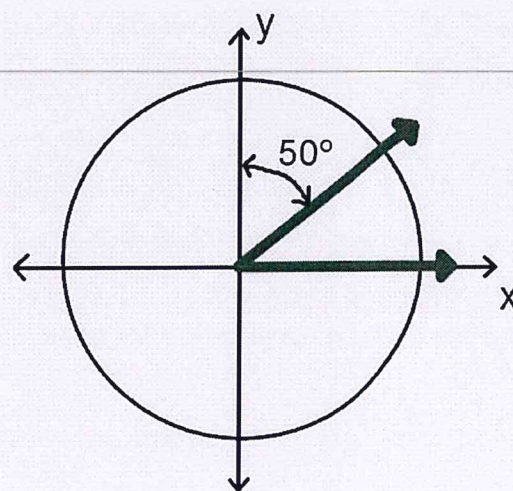


Give 4 possible measures of each angle in Standard Position.

1.



2.



3. Find two positive and two negative coterminal angles for this angle: $\theta = -1250^\circ$

POS:

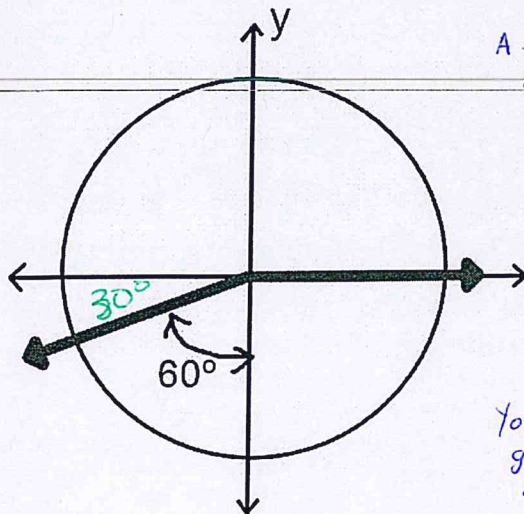
NEG:

4. An architect designing a roadway plans to use solar-powered glass panels of equal size in the design. The architect estimates a 20-mile-long road will use 30,000 panels equally spaced. At this rate, which of the following equations represents the number of solar panels, P , for a road that is m miles long?

- A. $P = 20m$ B. $P = 1500m$ C. $P = 30,000m$ D. $P = 20m + 30,000$

Give 4 possible measures of each angle in Standard Position.

1.

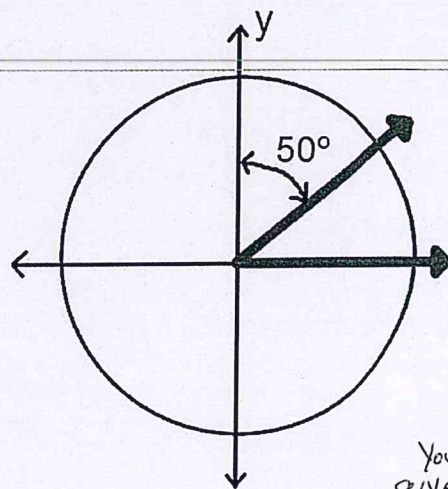


A few possible answers
in degrees

210° -150°
 570° -510°
 930° -870°
 \vdots \vdots

You could also
give these
angles in
radians.

2.



A few possible answers
in degrees

40°
 400° -320°
 760° -680°
 \vdots \vdots

You could also
give these
angles in
radians

3. Find two positive and two negative coterminal angles for this angle: $\theta = -1250^\circ$

POS:

There are an infinite
of answers. A few
common answers
are given

190° , 550° , 910° , 1270° , ...

NEG:

-170° , -530° , -890° , ...

-1610° , -1970° , -2330° , ...

4. An architect designing a roadway plans to use solar-powered glass panels of equal size in the design. The architect estimates a 20-mile-long road will use 30,000 panels equally spaced. At this rate, which of the following equations represents the number of solar panels, P , for a road that is m miles long?

A. $P = 20m$ B. $P = 1500m$ C. $P = 30,000m$ D. $P = 20m + 30,000$

30,000 panels in 20 miles

$$\text{Rate} = \frac{30,000 \text{ panels}}{20 \text{ mi}} = 1500 \text{ panels/mi}$$

Panels for m miles :

$$1500 \frac{\text{panels}}{\text{mi}} \cdot m \text{ miles}$$

$$P = 1500m$$