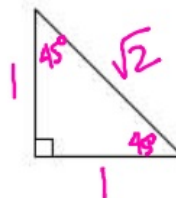
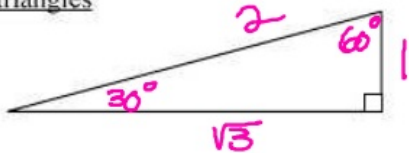


Warm-up: before Review for Test #2

Name: _____
Period: _____

SHOW YOUR WORK as demonstrated in class notes

Label the special triangles



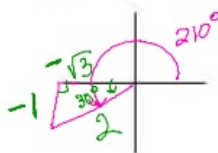
Evaluate each trigonometric function by drawing the reference triangle.

1. $\frac{x}{r} \cos(120^\circ) = \frac{-1}{2}$

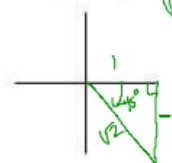
120°
60°
150°



2. $\frac{y}{x} \tan(210^\circ) = \frac{-1}{\sqrt{3}} \cdot \frac{1}{\sqrt{3}} = \frac{\sqrt{3}}{3}$

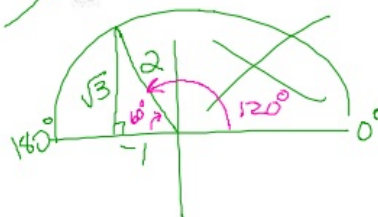


3. $\sin(-45^\circ) = \frac{-1}{\sqrt{2}} = \frac{-\sqrt{2}}{2}$



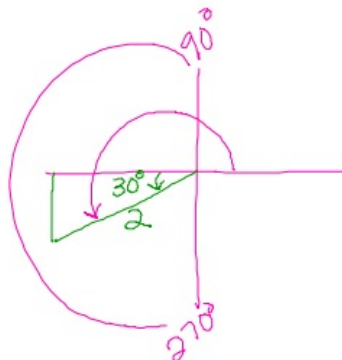
4. If $0^\circ \leq \theta \leq 180^\circ$ and $\cos\theta = -\frac{1}{2}$, then $\theta = ?$

- ~~A. 30°~~
- ~~B. 60°~~
- C. 120°**
- D. 150°



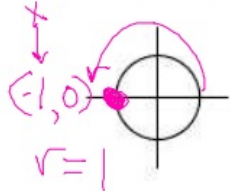
5. If $90^\circ \leq \theta \leq 270^\circ$ and $\sin\theta = -\frac{1}{2}$, then $\theta = ?$

- ~~A. 30°~~
- ~~B. 120°~~
- C. 210°**
- D. 240°

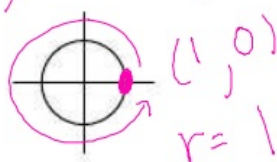


Evaluate each trigonometric function by labeling the correct point on the unit circle.

6. $\cos(180^\circ) = \frac{-1}{1} = -1$



7. $\frac{r}{x} \sec(360^\circ) = \frac{1}{1} = 1$



8. $\tan(90^\circ) = \frac{1}{0} = \text{undef.}$

