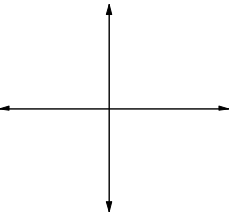
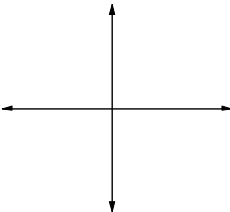
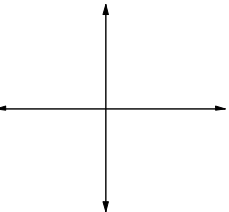
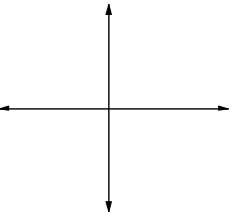
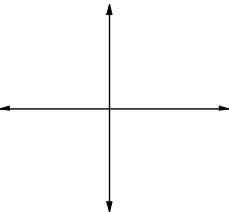
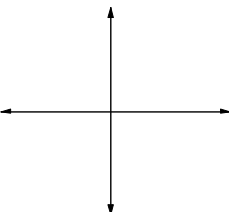
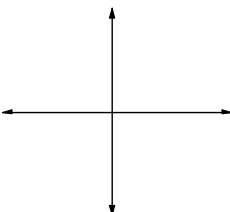
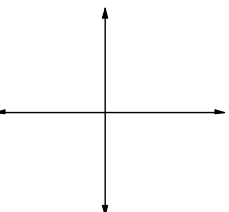
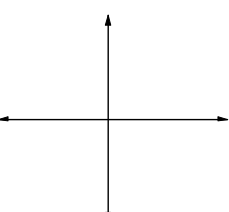
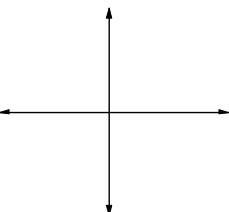


I. Draw each angle in standard position with a marker. Indicate direction and (if any) swirlies.

1.) $\theta = 310^\circ$ 	2.) $\theta = -125^\circ$ 	3.) $\theta = 510^\circ$ 	4.) $\theta = -700^\circ$ 	5.) $\theta = -1350^\circ$ 
6.) $\theta = \frac{5\pi}{4}$ 	7.) $\theta = -\frac{\pi}{2}$ 	8.) $\theta = \frac{25\pi}{6}$ 	9.) $\theta = -\frac{10\pi}{3}$ 	10.) $\theta = 7\pi$ 

II. Complete the chart below about converting angle measures. Show work on line!

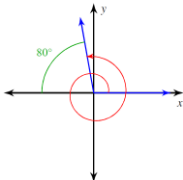
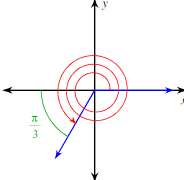
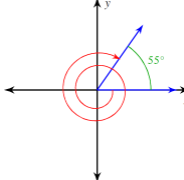
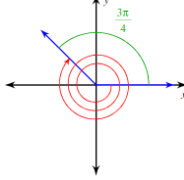
Degree Measure \rightarrow Radian Measure	Radian Measure \rightarrow Degree Measure
11.) $\theta = 155^\circ \rightarrow$ _____	15.) $\theta = \frac{7\pi}{6} \rightarrow$ _____
12.) $\theta = -330^\circ \rightarrow$ _____	16.) $\theta = \frac{\pi}{6} \rightarrow$ _____
13.) $\theta = 720^\circ \rightarrow$ _____	17.) $\theta = \frac{26\pi}{15} \rightarrow$ _____
14.) $\theta = 246^\circ \rightarrow$ _____	18.) $\theta = -\frac{11\pi}{4} \rightarrow$ _____

III. Find a positive and a negative coterminal angle for each given angle. Show work!

19.) $114^\circ \rightarrow$ positive coterminal angle = _____ negative coterminal angle = _____

20.) $-\frac{4\pi}{9} \rightarrow$ positive coterminal angle = _____ negative coterminal angle = _____

IV. Determine the measure of each angle. Keep units consistent.

21.) 	22.) 	23.) 	24.) 
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V. Determine the reference angle for each given angle θ . Show your work!

25.) $\theta = 323^\circ \rightarrow$ reference angle: _____ 26.) $\theta = 242^\circ \rightarrow$ reference angle: _____

27.) $\theta = 127^\circ \rightarrow$ reference angle: _____ 28.) $\theta = -135^\circ \rightarrow$ reference angle: _____

29.) $\theta = 744^\circ \rightarrow$ reference angle: _____ 30.) $\theta = -566^\circ \rightarrow$ reference angle: _____