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Date _____
Algebra II

Co-terminal Angles

For each angle, state two angles that terminate at the same point.

1. 120°

$$\begin{array}{r} 120 \\ +360 \\ \hline 480 \end{array}$$

$$\begin{array}{r} 120 \\ -360 \\ \hline -240 \end{array}$$

2. 250°

$$\begin{array}{r} 250 \\ +360 \\ \hline 610 \end{array}$$

$$\begin{array}{r} 250 \\ -360 \\ \hline -110 \end{array}$$

3. 48°

$$\begin{array}{r} 48 \\ +360 \\ \hline 408 \end{array}$$

$$\begin{array}{r} 48 \\ -360 \\ \hline -312 \end{array}$$

4. 311°

$$\begin{array}{r} 311 \\ +360 \\ \hline 671 \end{array}$$

$$\begin{array}{r} 311 \\ -360 \\ \hline -59 \end{array}$$

5. 212°

$$\begin{array}{r} 212 \\ +360 \\ \hline 572 \end{array}$$

$$\begin{array}{r} 212 \\ -360 \\ \hline -148 \end{array}$$

6. 142°

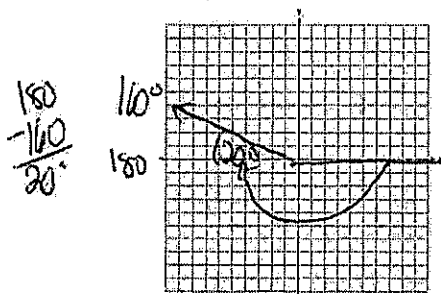
$$\begin{array}{r} 142 \\ +360 \\ \hline 502 \end{array}$$

$$\begin{array}{r} 142 \\ -360 \\ \hline -218 \end{array}$$

Sketch the following angles and find the reference angle

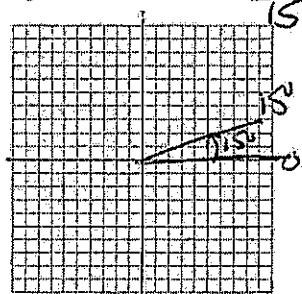
7. -200° 160

$$\begin{array}{r} 160 \\ +360 \\ \hline 520 \end{array}$$



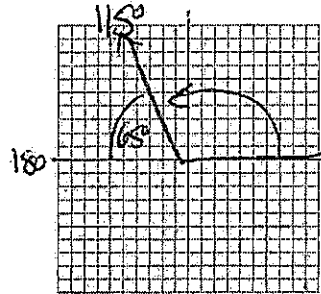
8. 375° 15

$$\begin{array}{r} 15 \\ -360 \\ \hline -345 \end{array}$$



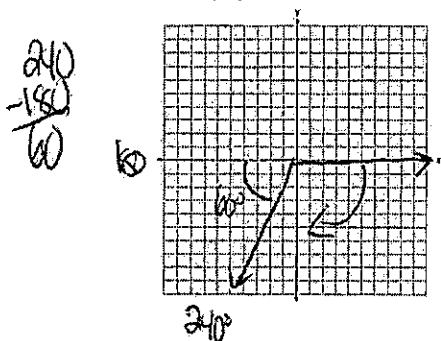
9. 475° 115

$$\begin{array}{r} 115 \\ -360 \\ \hline -245 \end{array}$$



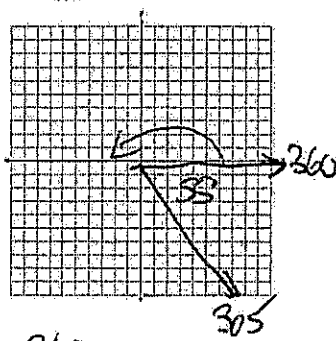
10. -120° 240

$$\begin{array}{r} 240 \\ +360 \\ \hline 600 \end{array}$$



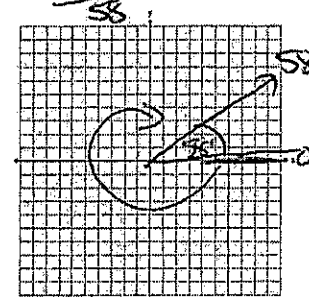
11. 665° 305

$$\begin{array}{r} 305 \\ -360 \\ \hline -55 \end{array}$$

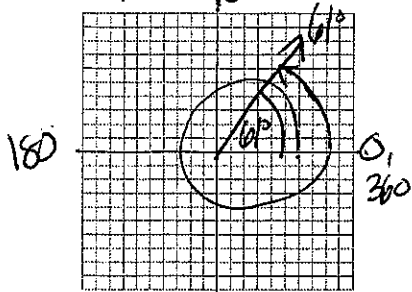


12. -302°

$$\begin{array}{r} 58 \\ +360 \\ \hline 418 \end{array}$$

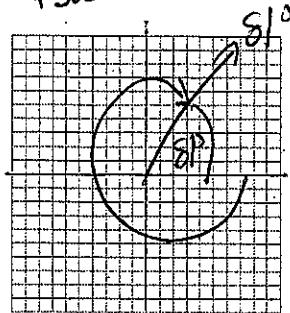


13. 421° 61°
 -360° 90



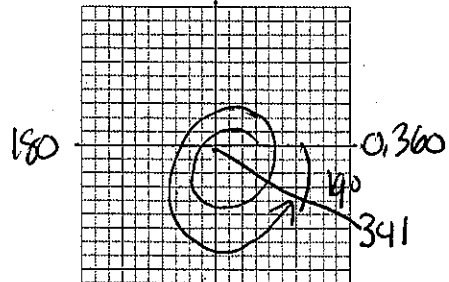
270

14. -279° 81°
 $+360$



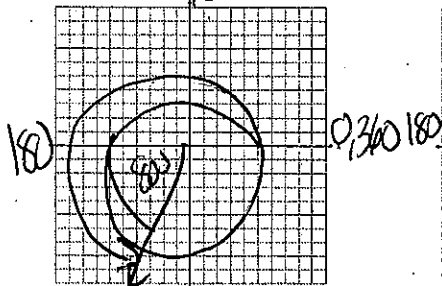
341

15. 701° 90
 -360



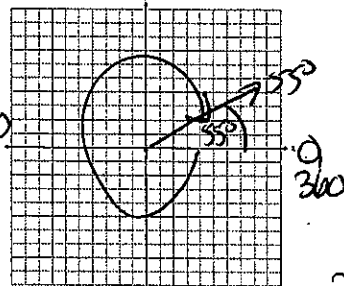
270

16. 620° 260°
 -360 90



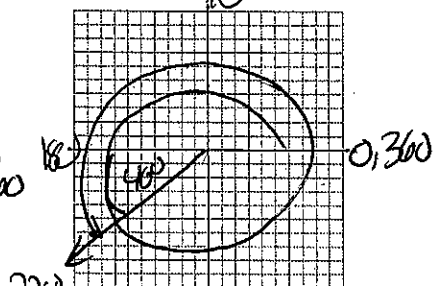
260 270

17. -305° 55°
 $+360$ 90



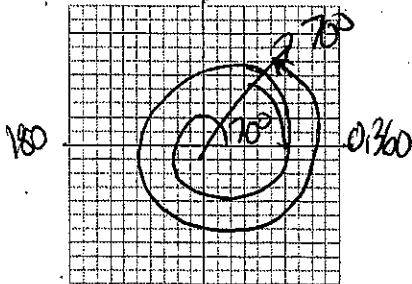
270

18. 580° 220°
 -360 90



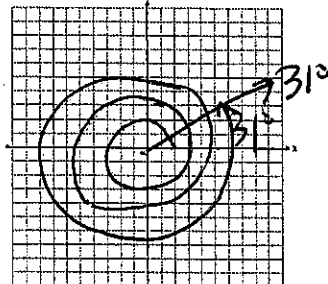
270

16. 790° 430
 -360 90 70°



270

17. 1111° 751
 -360 341
 -360 31



18. -1060° 700
 $+360$ -340
 $+360$ 20

