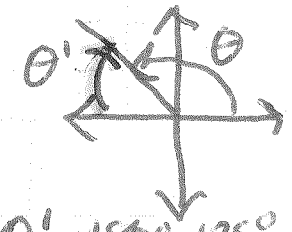
251: 17-32

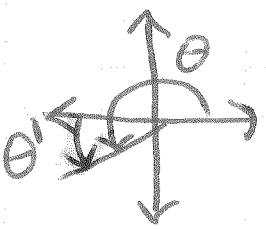
17. 135°



$\theta' = 180° - 135°$

$\theta' = 45°$

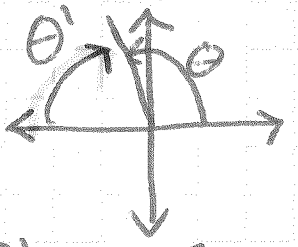
18. 210°



$\theta' = 210° - 180°$

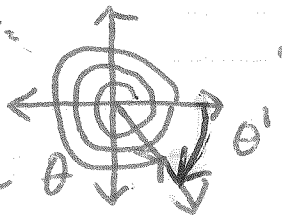
$\theta' = 30°$

19. $\frac{7\pi}{12}$



$\theta' = \pi - \frac{7\pi}{12} = \frac{5\pi}{12}$

20. $\frac{11\pi}{3}$



$\frac{11\pi}{3} - \frac{6\pi}{3} = \frac{5\pi}{3}$

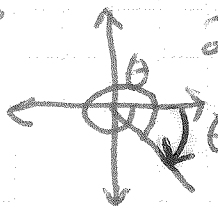
$\theta' = 2\pi - \frac{5\pi}{3}$

$\theta' = \frac{\pi}{3}$

21. $-405°$

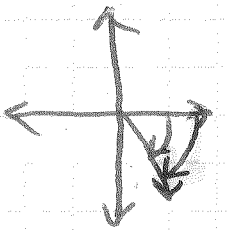
$+360$

-45



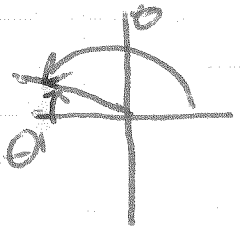
$\theta' = 45°$

22. $-75°$



$\theta' = 75°$

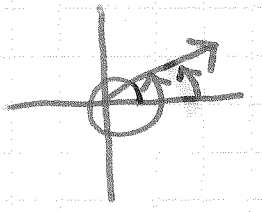
23. $\frac{5\pi}{6}$



$\theta' = \pi - \frac{5\pi}{6}$

$\theta' = \frac{\pi}{6}$

24. $\frac{13\pi}{6}$



$\frac{13\pi}{6} - 2\pi = \frac{\pi}{6}$

$\theta' = \frac{\pi}{6}$

25. $\cos\frac{4\pi}{3} = -\frac{1}{2}$

26. $\tan 2\pi = 0 \quad \frac{0}{1}$

27. $\sin\frac{3\pi}{4} = \frac{\sqrt{2}}{2}$

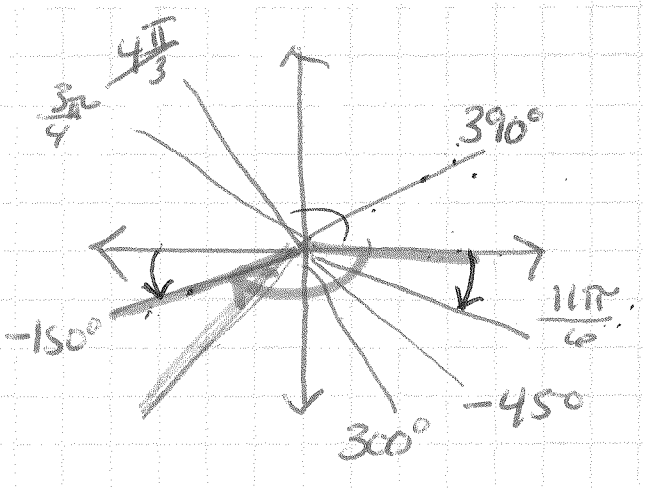
28. $\cot(-45°) = -1$

29. $\csc 390° = 2$

30. $\sec(-150°) = -\frac{2\sqrt{3}}{3}$

31. $\tan\left(\frac{11\pi}{6}\right) = -\frac{\sqrt{3}}{3}$

32. $\sin 300° = -\frac{\sqrt{3}}{2}$



$\cos 30° = \frac{\sqrt{3}}{2}$ $\cos -150° = -\frac{\sqrt{3}}{2}$

$\sin\theta = \frac{-\left(\frac{1}{2}\right)}{-\frac{\sqrt{3}}{2}} \cdot +\frac{2}{\sqrt{3}} = \frac{1}{\sqrt{3}} = \frac{\sqrt{3}}{3}$

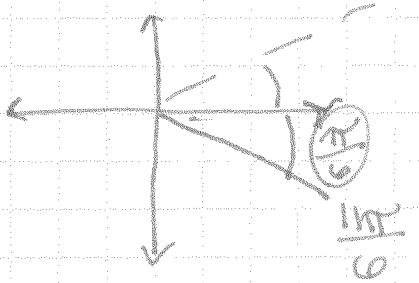
$\cos\theta$

$\sin 30° = \frac{1}{2}$ $\csc 390° = 2$

$\cos = -\frac{\sqrt{3}}{2}$ $\sec = -\frac{2}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}}$

$\frac{-2\sqrt{3}}{3}$

31. $\tan\frac{11\pi}{6}$



$\frac{\sin\theta}{\cos\theta} = \tan\theta$

$\frac{1}{2} \cdot \frac{2}{\sqrt{3}} = \frac{1}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{\sqrt{3}}{3}$

$\frac{\sqrt{3}}{2}$ θ

2.

$\frac{1}{2} \div \frac{\sqrt{3}}{2}$

$\frac{1}{2} \times \frac{2}{\sqrt{3}}$