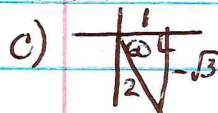




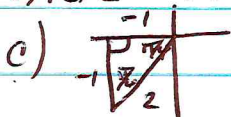
b) $\text{ref } L = 60^\circ$



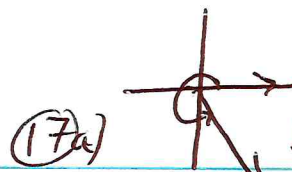
d) $\sin(-60^\circ) = -\frac{\sqrt{3}}{2}$
 $\cos(-60^\circ) = \frac{1}{2}$
 $\tan(-60^\circ) = -\frac{\sqrt{3}}{1} = -\sqrt{3}$



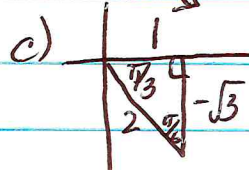
b) $\text{ref } L = 45^\circ = \pi/4$



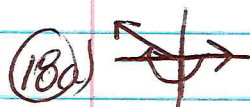
$\sin(5\pi/4) = \frac{-1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = -\frac{\sqrt{2}}{2}$
 $\cos(5\pi/4) = \frac{-1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = -\frac{\sqrt{2}}{2}$
 $\tan(5\pi/4) = \frac{-1}{-1} = 1$



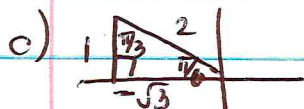
b) $\text{ref } L = \frac{2\pi}{3} = \frac{\pi}{3}$



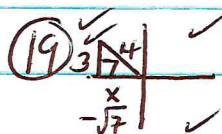
$\sin(5\pi/3) = -\frac{\sqrt{3}}{2}$
 $\cos(5\pi/3) = \frac{1}{2}$
 $\tan(5\pi/3) = -\frac{\sqrt{3}}{1} = -\sqrt{3}$



b) $\text{ref } L = \frac{\pi}{6} = \pi/6$

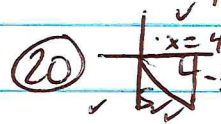


d) $\sin(-\pi/6) = -\frac{1}{2}$
 $\cos(-\pi/6) = \frac{\sqrt{3}}{2}$
 $\tan(-\pi/6) = \frac{-1}{\sqrt{3}} = -\frac{\sqrt{3}}{3}$



$x^2 + 3^2 = 4^2$
 $x^2 + 9 = 16$
 $x^2 = 7$
 $x = \sqrt{7}$

$\cos \theta = -\frac{\sqrt{7}}{4}$
 $\tan \theta = \frac{3}{-\sqrt{7}} = -\frac{3\sqrt{7}}{7}$



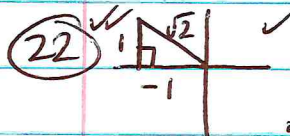
$x^2 + (-3)^2 = 5^2$
 $x^2 + 9 = 25$
 $x^2 = 16$
 $x = 4$

$\cos \theta = \frac{4}{5}$

$\tan \theta = -3/4$



$4^2 + 3^2 = c^2$
 $c^2 = 16 + 9 = 25$
 $c = 5$
 $\sin \theta = \frac{3}{5}$
 $\cos \theta = \frac{4}{5}$



$\sin \theta = \frac{1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2}}{2}$

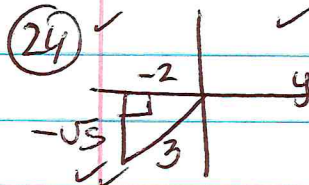
$\cos \theta = -\frac{1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = -\frac{\sqrt{2}}{2}$



$x^2 + 6^2 = 7^2$
 $x^2 + 36 = 49$
 $x^2 = 13$
 $x = \sqrt{13}$

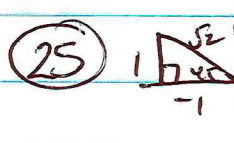
$\cos \theta = \frac{\sqrt{13}}{7}$

$\tan \theta = \frac{-6}{\sqrt{13}} = -\frac{6\sqrt{13}}{13}$



$\sin \theta = -\frac{2}{3}$

$\tan \theta = \frac{-2}{-\sqrt{5}} = \frac{2}{\sqrt{5}}$

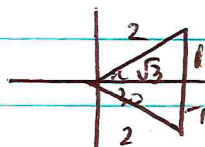


$\text{ref } L = 45^\circ$
 $\sin \theta = \frac{1}{\sqrt{2}}$

I: $\theta = 45^\circ$

II: $\theta = 180 - 45 = 135^\circ$

(26) $\cos \theta = \frac{\sqrt{3}}{2}$



$\text{ref } L = 30^\circ$

I: $\theta = 30^\circ$ IV: $\theta = 360 - 30 = 330^\circ$