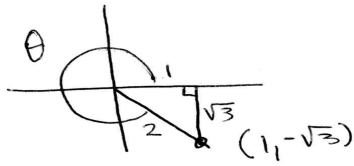


## Trig worksheet - Ans Key.

① a)  $\frac{\sqrt{3}}{2}$       c)  $\frac{\sqrt{2}}{2}$       e) undefined  
b) 2              d) 1              f) -1

②  $\sec \theta = 2, \sin \theta < 0$        $\cos \theta = \frac{1}{2}$

$x = 1, y = -\sqrt{3}, r = 2$



$\sin \theta = -\frac{\sqrt{3}}{2}$	$\csc \theta = -\frac{2}{\sqrt{3}}$
$\cos \theta = \frac{1}{2}$	$\sec \theta = 2$
$\tan \theta = -\sqrt{3}$	$\cot \theta = -\frac{1}{\sqrt{3}}$

③ a)  $125^\circ = \frac{125^\circ(\pi)}{180^\circ} = \boxed{\frac{25\pi}{36}}$

b)  $\frac{3(180^\circ)}{\pi} \approx \boxed{171.888^\circ}$

④  $\sin\left(\frac{\pi}{6}\right) + \sin\left(\frac{3\pi}{2}\right)$   
 $\frac{1}{2} + (-1)$   
 $\boxed{-\frac{1}{2}}$