

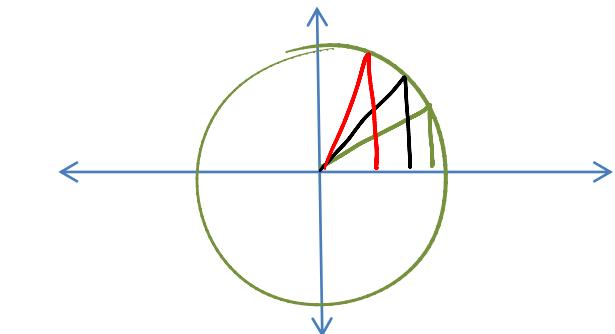
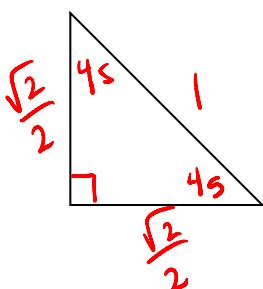
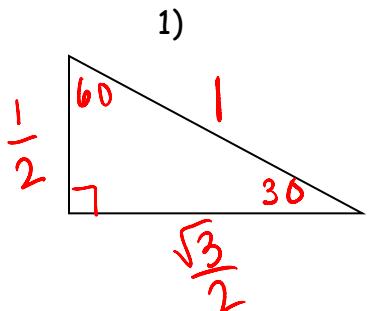
*key*



## Algebra 2 Trig G

## 13.3 Unit Circle - day 1

### Part I: Special Triangles



### Part II: Find each. Draw a triangle for each.

3)  $\sin 30^\circ \left(\frac{1}{2}\right)$

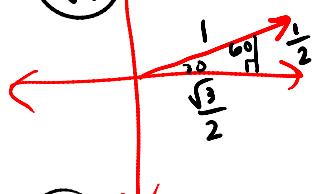
4)  $\cos 30^\circ \left(\frac{\sqrt{3}}{2}\right)$

5)  $\tan 30^\circ \left(\frac{1}{\sqrt{3}}\right)$

6)  $\sec 30^\circ \left(\frac{2}{\sqrt{3}}\right)$

7)  $\csc 30^\circ \left(2\right)$

8)  $\cot 30^\circ \left(\sqrt{3}\right)$



9)  $\sin 60^\circ \left(\frac{\sqrt{3}}{2}\right)$

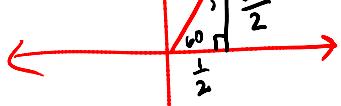
10)  $\cos 60^\circ \left(\frac{1}{2}\right)$

11)  $\tan 60^\circ \left(\sqrt{3}\right)$

12)  $\sec 60^\circ \left(2\right)$

13)  $\csc 60^\circ \left(\frac{2}{\sqrt{3}}\right)$

14)  $\cot 60^\circ \left(\frac{1}{\sqrt{3}}\right)$



15)  $\sin 45^\circ \left(\frac{\sqrt{2}}{2}\right)$

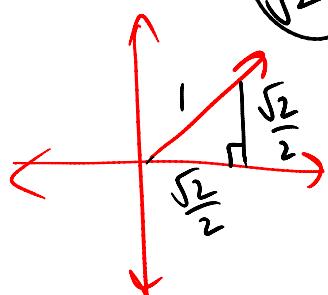
16)  $\cos 45^\circ \left(\frac{\sqrt{2}}{2}\right)$

17)  $\tan 45^\circ \left(1\right)$

18)  $\sec 45^\circ \left(\frac{2}{\sqrt{2}}\right)$

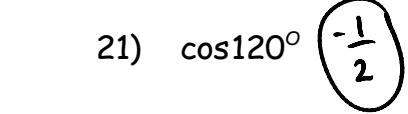
19)  $\csc 45^\circ \left(\frac{2}{\sqrt{2}}\right)$

20)  $\cot 45^\circ \left(1\right)$



Part III: Evaluate. Draw a labeled reference triangle for each.

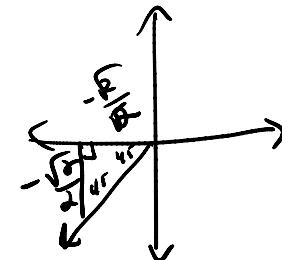
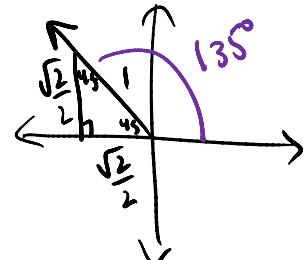
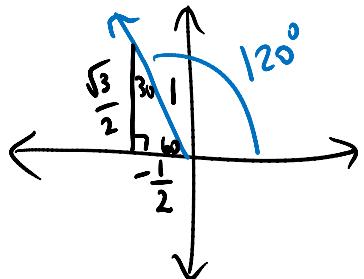
21)  $\cos 120^\circ$   $\left(-\frac{1}{2}\right)$



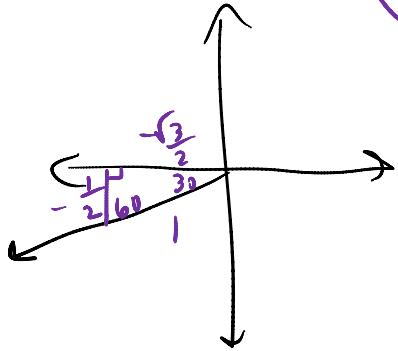
22)  $\sin 135^\circ$   $\left(\frac{\sqrt{2}}{2}\right)$



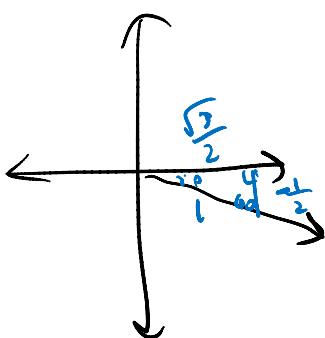
23)  $\tan 225^\circ$   $(1)$



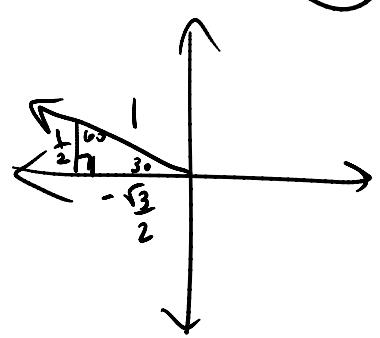
24)  $\cos 210^\circ$   $\left(-\frac{\sqrt{3}}{2}\right)$



25)  $\sin 330^\circ$   $\left(-\frac{1}{2}\right)$



26)  $\tan 150^\circ$   $\left(-\frac{1}{\sqrt{3}}\right)$



27)  $\cos 315^\circ$   $\left(\frac{\sqrt{2}}{2}\right)$



28)  $\tan 240^\circ$   $(\sqrt{3})$



29)  $\sin 60^\circ$   $\left(\frac{\sqrt{3}}{2}\right)$

