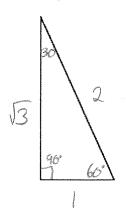
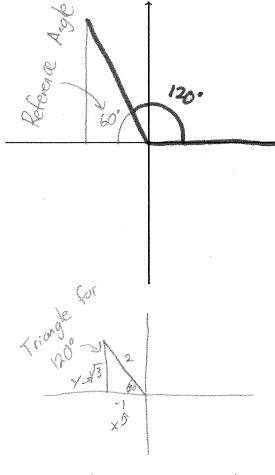
Warm Up:

a. Label the side lengths and the angles in the 30-60-90 triangle below. Find the trig ratios for $sin(60^\circ)$, $cos(60^\circ)$, and $tan(60^\circ)$.



 Using the book's glossary, define Reference Angle and Reference Triangle.

1. What is $sin(120^\circ)$, $cos(120^\circ)$, and $tan(120^\circ)$?



Reference Triangle

2/1535
/60' 1/2

Sin (60'), Cos (60'), Tan (60')

1/3

1/3

1/3

1/3

1/3

1/3

Sin(120°), Cos(120°), Ton(120°)

\[\frac{13}{2} = -\sqrt{3} \]

*If we know values for reference angle, then we know for many others.