1. Determine the values of the remaining trigonometric functions of $\theta$ given the indicated information.

(a) $\cos(\theta) = -\frac{1}{2}$, and $\theta$ is in quadrant 2
(b) $\sin(\theta) = -\frac{12}{13}$, and $\theta$ is in quadrant 4
(c) $\cos(\theta) = -\frac{\sqrt{3}}{2}$, and $\theta$ is in quadrant 3
(d) $\sin(\theta) = \frac{\sqrt{2}}{2}$, and $\theta$ is in quadrant 1
(e) $\cos(\theta) = \frac{1}{3}$, and $\theta$ is in quadrant 4
(f) $\sin(\theta) = \frac{24}{25}$, and $\theta$ is in quadrant 2
(g) $\cos(\theta) = \frac{\sqrt{2}-\sqrt{3}}{2}$, and $\theta$ is in quadrant 1
(h) $\sin(\theta) = \frac{\sqrt{2}+\sqrt{3}}{4}$, and $\theta$ is in quadrant 3