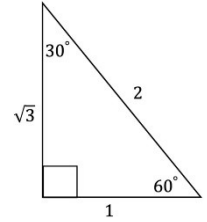
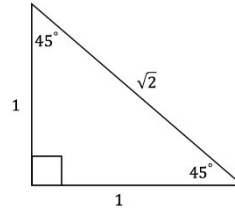


Name _____



Unit 5 – Trigonometric Functions

Quiz (The Real Deal): Angles of Rotation, Trig Ratios and Special Triangles

(No Calculators!!)

1. Draw the **ANGLE OF ROTATION**. Determine the **RELATED ACUTE ANGLE**. Determine the **trig ratios exactly** (using SOH CAH TOA and CAST) (K1 point each)
- a) $\tan(210^\circ)$ b) $\sin(315^\circ)$

c) $\cos(300^\circ)$

d) $\sec(120^\circ)$

e) $\sin(-120^\circ)$

2. For $0^\circ \leq \theta \leq 360^\circ$, determine the angles of rotation given the trig ratio: (T2 points each)

a) $\sin(\theta) = \frac{\sqrt{3}}{2}$

b) $\cos(\theta) = -\frac{1}{\sqrt{2}}$

c) $\tan(\theta) = -\sqrt{3}$

