

Use the first quadrant of the unit circle to find the exact value of each.

1. $\cos(-1050^\circ)$

2. $\tan 810^\circ$

3. $\sin 1500^\circ$

4. $\tan(-660^\circ)$

5. In which quadrant, or on which axis, does the terminal side of each angle lie?

a) 1652°

b) -675°

c) 1980°

6. Use the Unit Circle to find the value of each.

a) $[\sin(30^\circ)]^2 + [\cos(30^\circ)]^2$

b) $[\sin(45^\circ)]^2 + [\cos(45^\circ)]^2$