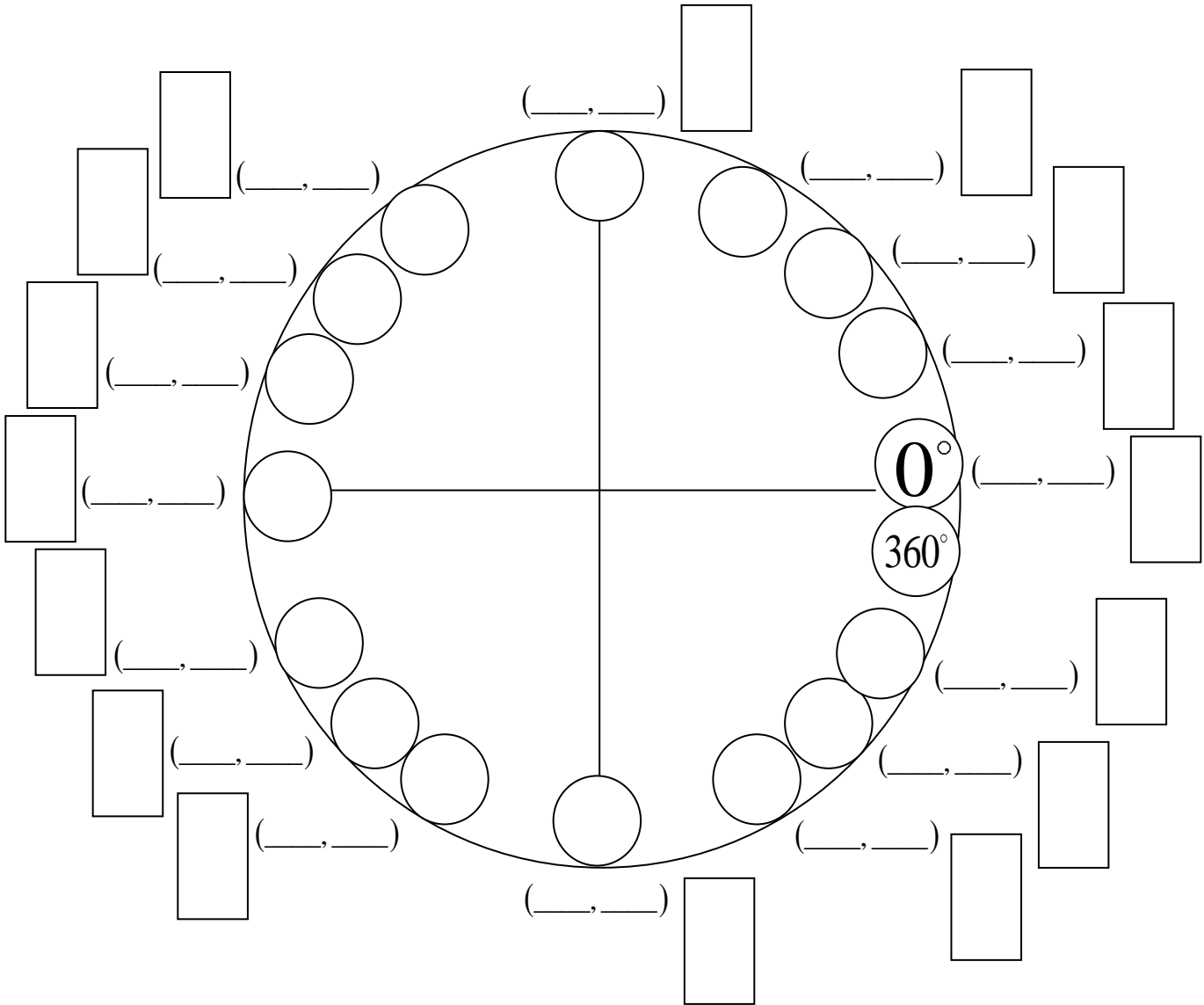


Place appropriate radian measures in the rectangles, degree measures in the circles, and coordinates in parenthesis.



Without the use of technology, decide whether the equation is true or false.

1) $\sin 174^\circ = \sin 6^\circ$

2) $\cos 200^\circ = \cos 20^\circ$

3) $\cos \frac{5\pi}{3} = -\cos \frac{\pi}{3}$

4) $\tan \frac{7\pi}{4} = \tan \frac{3\pi}{4}$

Use the unit circle to find the exact value of each trigonometric function without use of technology.

5) $\cos \frac{\pi}{3}$

6) $\sin \frac{7\pi}{6}$

7) $\tan \frac{3\pi}{4}$

8) $\csc \frac{\pi}{2}$

9) $\sec 750^\circ$

10) $\sin\left(-\frac{13\pi}{6}\right)$

11) $\cot \frac{5\pi}{6}$

12) $\sin \frac{11\pi}{6}$

13) $\sin(-270^\circ)$

14) $\cot 0$

15) $\csc 150^\circ$

16) $\cot \frac{3\pi}{2}$

17) $\sin 300^\circ$

18) $\cos(-225^\circ)$

19) $\cos(-120^\circ)$

20) $\tan 225^\circ$