Unit Circle Worksheet

Draw a unit circle and highlight the points where the sine value is positive, and use a different color to highlight where it is negative.

Determine if the following statements are true or false and justify your answer:

- The sine of any angle θ that is an integer multiple of π is zero.

- For any angle θ in the unit circle, $\sin(\theta + 2\pi) \neq \sin(\theta)$.

- If $\sin(\theta) = 0.5$, then θ must be in the first quadrant