Unit Circle Worksheet

Convert the following degrees to radians:

- 30°
- 75°
- 150°
- 225°
- 315°

Explain why the radian is considered a natural unit of angular measure in mathematics.

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

- **The point (1, 0) corresponds to 0 radians on the unit circle.**
- **Cosine values are negative in the third and fourth quadrants.**
- **The tangent of π/4 is equal to 1.**