

# Unit Circle Art Project

Task: Create an artistic unit circle on any medium that you would like.

Examples of previous students' work can be found by googling "unit circle art project."

Requirements:

1. You must include the following angles:  $0^\circ$ ,  $30^\circ$ ,  $45^\circ$ ,  $60^\circ$ ,  $90^\circ$ ,  $120^\circ$ ,  $135^\circ$ ,  $150^\circ$ ,  $180^\circ$ ,  $210^\circ$ ,  $225^\circ$ ,  $240^\circ$ ,  $270^\circ$ ,  $300^\circ$ ,  $315^\circ$ ,  $330^\circ$ ,  $360^\circ$
2. The angles must be correctly measured using a protractor (can be purchased for less than \$1) – or see me if you need to borrow one, but I only have a limited amount to lend.
3. All angles must be labeled in both degrees and radians.
4. You must include the exact value of the sine and cosine of every angle listed above. (A unit Circle has been provided as a guide.)
5. Your design should be creative and school appropriate. If you aren't sure that your design is appropriate, ask me first.

Scoring: This rubric will be used:

Category Points are out of 100% (broken down below):

- Angles measured correctly 16
- Angles labeled correctly 32
- Correct Trig Ratios 32
- Neat/Organized 10
- Creativity/Uniqueness 10

