CCMII🡪 Graphing and Understanding Sine, Cosine and Tangent

1. Sine Graph
2. Sine is increasing: c. Sine is positive:
3. Sine is decreasing: d. Sine is negative:
4. Cosine Graph



1. Cosine is increasing: c. Cosine is positive:
2. Cosine is decreasing: d. Cosine is negative:
3. Tangent Graph
4. Tangent is increasing: c. Tangent is positive:
5. Tangent is decreasing: d. Tangent is negative:

Graphing Sine and Cosine (by hand) TEACHER KEY

1. Sine Graph 

Maximum

Complete Period

Midline

Minimum

**(0,180)**

**(0,90) U (270,360)**

1. Sine is increasing: c. Sine is positive:

**(180,360)**

**(90,270)**

1. Sine is decreasing: d. Sine is negative:
2. Cosine Graph



Maximum

Complete Period

Midline

Minimum

**(180,360)**

1. Cosine is increasing: c. Cosine is positive:

**(90,270)**

**(0,90) U (270,360)**

**(0,180)**

1. Cosine is decreasing: d. Cosine is negative:
2. Tangent Graph

Asymptote

Midline

**(180,360)U(180,270)**

**(0,90)U(90,180)U(270,360)**

1. Tangent is increasing: c. Tangent is positive:

**never**

1. Tangent is decreasing: d. Tangent is negative:

**(90,180)U(270,360)**