Math 3H Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6.2 The Unit Circle Day 2** Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Fill in the unit circle below.

 Sine is the \_\_\_\_\_\_\_\_ value.

 Cosine is the \_\_\_\_\_\_\_\_ value.

Tangent is \_\_\_\_\_\_\_\_ value divided by \_\_\_\_\_\_\_\_ value.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. cos 1350 =
 | 1. tan 2700 =
 | 1. sin 3000 =
 | 1. cos 450 =
 |
| 1. tan 600 =
 | 1. sin 1200 =
 | 1. cos 1800 =
 | 1. tan 00 =
 |
| 1. sin 2100 =
 | 1. cos 2400 =
 | 1. tan 2250 =
 | 1. sin 3150 =
 |
| 1. =
 | 1. =
 | 1. =
 | 1. =
 |
| 1. =
 | 1. =
 | 1. =
 | 1. =
 |
| 1. =
 | 1. =
 | 1. =
 | 1. =
 |

Use the unit circle to find the exact value.

Refer to the diagram. Give the letter that could stand for the function value.



|  |  |  |
| --- | --- | --- |
| 1. = j
 |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Refer to the diagram. For the indicated point, tell if the value is positive, negative or neither.



|  |  |  |
| --- | --- | --- |
| 1. Cos G =Neither
 | 1. Sin C
 | 1. Sin H
 |
| 1. Cos D
 | 1. Cos B
 | 1. Sin E
 |
| 1. Sin B
 | 1. Sin F
 | 1. Sin G
 |
| 1. Cos A
 | 1. Cos E
 | 1. Cos C
 |



Use the unit circle to find the exact values.

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

