|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_FA Transformations of Sine and Cosine  |

|  |  |  |
| --- | --- | --- |
| 2nd hour | 3rd hour | 4th hour |
| 5th hour | 6th hour | 7th hour |

 |

Write the equation of the given graph with the implied period



Translated form of the function \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

General Form of the function \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Show any necessary work below

Sketch a graph of the function with the implied period

Complete the related table

Given function $f\left(x\right)=2\cos(\left(\frac{5}{8}x-\frac{25π}{4}\right)+)2$



Complete this table based on the implied period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Local extreme 1 | Midline point 1 | Local extreme 2 | Midline point 2 | Local extreme 3 |
|  |  |  |  |  |

Show any necessary work here

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_FA Transformations of Sine and Cosine  |

|  |  |  |
| --- | --- | --- |
| 2nd hour | 3rd hour | 4th hour |
| 5th hour | 6th hour | 7th hour |

 |

Write the equation of the given graph with the implied period



Translated form of the function \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

General Form of the function \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Show any necessary work below

Sketch a graph of the function with the implied period

Complete the related table

Given function $f\left(x\right)=-3\sin(\left(\frac{8}{5}x-\frac{32π}{5}\right)-)3$



Complete this table based on the implied period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Midline point 1 | Local extreme 1 | Midline point 2 | Local extreme 2 | Midline point 3 |
|  |  |  |  |  |

Show any necessary work here

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_FA Transformations of Sine and Cosine  |

|  |  |  |
| --- | --- | --- |
| 2nd hour | 3rd hour | 4th hour |
| 5th hour | 6th hour | 7th hour |

 |

Write the equation of the given graph with the implied period



Translated form of the function \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

General Form of the function \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Show any necessary work below

Sketch a graph of the function with the implied period

Complete the related table

Given function $f\left(x\right)=-4\cos(\left(\frac{6}{5}x-\frac{36π}{15}\right)+)4$



Complete this table based on the implied period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Local extreme 1 | Midline point 1 | Local extreme 2 | Midline point 2 | Local extreme 3 |
|  |  |  |  |  |

Show any necessary work here

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_FA Transformations of Sine and Cosine  |

|  |  |  |
| --- | --- | --- |
| 2nd hour | 3rd hour | 4th hour |
| 5th hour | 6th hour | 7th hour |

 |

Write the equation of the given graph with the implied period



Translated form of the function \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

General Form of the function \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Show any necessary work below

Sketch a graph of the function with the implied period

Complete the related table

Given function $f\left(x\right)=-5\sin(\left(\frac{2}{3}x+\frac{4π}{9}\right)+5)$



Complete this table based on the implied period

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Midline point 1 | Local extreme 1 | Midline point 2 | Local extreme 2 | Midline point 3 |
|  |  |  |  |  |

Show any necessary work here