Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_HWK Function Operations and their related graphs 1 Hour\_\_\_\_\_\_

You are given the following functions

|  |  |  |  |
| --- | --- | --- | --- |
| State the domain using any method  State the range using any method | State the domain using any method  State the range using any method  State the local extreme as a point | State the domain using any method  State the range using any method  State the local extreme as a point | State the domain using any method  State the range using any method  State the asymptotes as lines |

|  |  |
| --- | --- |
| Give a detailed sketch for f(x) | Give a detailed sketch for g(x) |
| Give a detailed sketch for h(x) | Give a detailed sketch for j(x) |

You are given the following functions

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

|  |  |  |  |
| --- | --- | --- | --- |
| Write in its simplest form | Write in its simplest form | Write in its simplest form | Write in its simplest form  State this function’s domain restrictions |

|  |  |
| --- | --- |
| Give a detailed sketch for | Give a detailed sketch for |
| Give a detailed sketch for | Give a detailed sketch for |

You are given the following functions

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

|  |  |  |  |
| --- | --- | --- | --- |
| Write in its simplest form | Write in its simplest form | Write in its simplest form | Write in its simplest form  State this function’s domain restrictions |

|  |  |
| --- | --- |
| Give a detailed sketch for | Give a detailed sketch for |
| Give a detailed sketch for | Give a detailed sketch for |

Which of the functions above are compositions?

You are given the following functions

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

|  |  |  |  |
| --- | --- | --- | --- |
| Write in its simplest form | Write in its simplest form | Write in its simplest form | Write in its simplest form  State this function’s domain restrictions |

|  |  |
| --- | --- |
| Give a detailed sketch for | Give a detailed sketch for |
| Give a detailed sketch for | Give a detailed sketch for |

Explain the difference between the two compositions and ?