Name: \_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_

Homework work 5-6 

1. Graph the following functions on the same coordinate plane and describe the transformations:

|  |  |
| --- | --- |
| x | f(x) |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

$$ f\left( x\right)= \sqrt{x} , k\left( x\right)=-\sqrt{x} h\left(x\right)=\sqrt{x}+3 g\left(x\right)=\sqrt{x+5}$$

|  |  |
| --- | --- |
| x | k(x) |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

|  |  |
| --- | --- |
| x | h(x) |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

|  |  |
| --- | --- |
| x | g(x) |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |



Identify the parent function and its transformation to for each of the following functions. Sketch both

3.



4.

