|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vertex:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Two points:

|  |  |
| --- | --- |
| X | Y |
|  |  |
|  |  |

y-intercept:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Domain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Range:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Vertex:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Two points:

|  |  |
| --- | --- |
| X | Y |
|  |  |
|  |  |

y-intercept:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Domain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Range:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Warm Up:

1. What are the solutions of 3x(x+4) =0?
2. Write the function in standard form:

 f(x)= -3(x  5) (x – 1)

1. The height of a football *t* seconds after being thrown in the air is modeled by the function
h(t)  5t(3t  10). How long did it take the ball to hit the ground?

**Notes: Graphing quadratics in factored form**

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