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| 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**

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