1. What are the solutions of (3x+9)(x-4) =0?
2. Write the function in standard form:

f(x)= -5(x  4) (x – 2)

1. Write  in factored form if its zeros are ,  and *k* is -4.

**Graph the following quadratics below**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Vertex:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Two points:   |  |  | | --- | --- | | X | Y | |  |  | |  |  |   Domain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Vertex:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Two points:   |  |  | | --- | --- | | X | Y | |  |  | |  |  |   Domain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Vertex:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Domain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Vertex:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Domain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Range:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |