Math 1314 – College Algebra

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Homework Sec. 1.4

1. For $f(x)=x^2-6x+5$, find

a) Find the vertex point

b) Find the line of symmetry

c) State whether there is a maximum or minimum value *and* find that value

d) Find the zeros of $f(x)$

e) Find the range and the domain of the function.

f) Graph the function and ***label.***

g) On what intervals is the function increasing? Decreasing?

2. For $f(x)=-x^2+4x-3$, find

a) Find the vertex point

b) Find the line of symmetry

c) State whether there is a maximum or minimum value *and* find that value

d) Find the zeros of $f(x)$

e) Find the range and the domain of the function.

f) Graph the function and ***label.***

g) On what intervals is the function increasing? Decreasing?