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

**CC Algebra**

**Quadratic Linear Systems – Solving Graphically – Homework**

1. Solve the system of equations graphically

f(x) = x2 – 6x + 6

g(x) = x – 4

**2.** The price of a stock, A(x), over a 12-month period decreased and then increased according to

the equation A(x) = 0.75x2 – 6x + 20, where x equals the number of months. The price of

another stock, B(x), increased according to the equation B(x) = 2.75x + 1.50 over the same 12-

month period. Graph and label both equations on the accompanying grid.



State all prices*, to the nearest dollar*, when both stock values were the same.