Name(s) \_\_\_\_\_\_\_\_\_\_Key\_\_\_\_\_\_\_\_\_\_\_\_\_

**BA 353: Take Home Exam 2 Answer Key**

a) 

b) No feasible solution. It is impossible to eat healthy for a day at McD’s (with these menu items).

c) Supply chain issues. Maximize profit for shareholders.

d) 1.6 Egg McMuffins, 2.1 Fries, 3.8 Milks and 18.6 salads! $26. Delicious. Calories and sodium are binding constraints.

e) All the items in solution are $1 because goal is to minimize cost. No ketchup though, and it’s free – but has too much sodium.

f) 1 Egg McMuffin, 2 Fries, 4 Milks and 20 salads. $27.

g) 1 Cheeseburger, 0.7 Egg McMuffins, 1.5 Fries, 4.3 Milks and 20 salads. $27.53. Can do 2 burgers with cost up to $29.61 but 3 burgers is infeasible.

h) 2.5 Milks, 16.7 Ketchup Packets and 30 salads. $32.50. Um, gross?