1) Gamblin’ Gary plays in an all-night online poker game that begins at midnight and ends at 5 AM. The following rough graph shows Gary’s financial status \( f(x) \):

![Graph showing Gary's financial status](image)

The horizontal axis represents the time of night after midnight and the vertical axis represents his current financial status in the game (in thousands of dollars). **Explain how you use the graph to answer each of the problems below:**

(a) During what period(s) of time is Gary in debt?

(b) During what period(s) of time is Gary losing money?

(c) When does Gary have the most amount of money? The least amount of money?

(d) What is \( f(0) \) and what does that mean to Gary?

(e) What is \( f(3.75) \) and what does that mean to Gary?

(f) Solve \( f(t) = 0 \) and describe what the solution(s) mean to Gary.

2) Bob had 7.9 pounds of mulch and Jack had 1.4 pounds of mulch. After Bob gave Jack some mulch, Bob had 3 times as much mulch as Jack. How much mulch did Bob give Jack? Solve this problem in two ways: with the aid of strip diagrams and with equations. Discuss how the two solution methods are related.