Olson – Fall 2008
Name: ________________________________
Begin Alg. Ch 2 Quiz
Class Days/Times: ____________________
Date: ____________.

Show all work on your own paper.

1) Solve. Check.
   \[
   \frac{1}{3}x - 2 = 2
   \]

2) Solve the formula for \( c \).
   \[
   a = 2(b + c)
   \]

3) Use the problem-solving flowchart to solve (i.e., all 6 steps, including “Sentence”).

   A woman can hike 1 mph faster down a trail to Archuletta Lake than she can on the return trip uphill. It takes her 3 hr to get to the lake and 6 hr to return. What is her speed hiking down to the lake? (Hint: \( d = rt \))