

**Seminar Question #51**

Monday, March 2, 2015

Evaluate each of the following expressions by substituting  $s = 30$  and  $t = -4$ .

a)  $t^2 + 5t + 8$

b)  $2t^2s$

c)  $3t^2 - 6t - 2s$

**SHOW EVIDENCE!****Seminar Question #52**

Tuesday, March 3, 2015

At Sam's Warehouse, a member pays \$25 a year for membership, and buys at the regular store prices. A non-member does not pay the membership fee, but does pay an additional 5% above the store prices. Under what conditions would it make sense to buy a membership?

**Show your work!****Seminar Question #53**

Wednesday, March 4, 2015

What is the average speed for a trip that consists of  $m$  miles at 30 mph followed by  $4m$  miles at 50 mph?

**DO NOT ERASE YOUR WORK – IT IS YOUR PROOF!!!****Seminar Question #54**

Thursday, March 5, 2015

What is the length of our apple orchard if we know that total area is 4,500 square feet and its width is 76 feet?