MASSACHUSETTS MATHEMATICS LEAGUE OCTOBER 2005 ROUND 5 INEQUALITIES & ABSOLUTE VALUE

ANSWERS
A)
B)
C)

A) Find all real x for which $4x^2 + 20x + 25 \le 0$

B) Find the sum of all solutions to

$$|x(x-13)|=30$$

C) Find all real x for which

$$13x^3 > 50x^2 - 44x - 8$$