MASSACHUSETTS MATHEMATICS LEAGUE CONTEST 1 - OCTOBER 2014 ROUND 5 INEQUALITIES & ABSOLUTE VALUE

ANSWERS

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A) Compute the 4 values of x for which |5-|x+1|| = 2.

B) Given: -2 < x < 2Determine <u>all</u> values of x which satisfy |2x-2| + |4x-4| = |5x+11|

C) Solve for x.
$$\frac{6}{x-3} + \frac{1}{x-5} \ge 3$$