

MASSACHUSETTS MATHEMATICS LEAGUE
OCTOBER 2003
ROUND 5: INEQUALITIES & ABSOLUTE VALUES
ANSWERS

A) _____

B) _____

C) _____

A) Solve for x : $x^3 < 5x^2 + 24x$.

B) Solve for x : $|4 - 2x| = x^2 - 3x + 2$

C) Solve for x : $\frac{1}{x^2} - \frac{5}{x} < 24$