

MASSACHUSETTS MATHEMATICS LEAGUE
CONTEST 2 - NOVEMBER 2015
ROUND 4 ALG 1: FACTORING AND ITS APPLICATIONS

ANSWERS

A) _____

B) _____

C) _____

A) Factor over the integers: $182a - 12a^2 - 2a^3$

B) Compute all values of x over the reals for which $x^4 - (13x - 30)^2 = 0$.

C) Factor over the integers: $x^2 + 4x - 16y^2 + 16y$