

MASSACHUSETTS MATHEMATICS LEAGUE
NOVEMBER 2004
ROUND 2 ALGEBRA 1 ANYTHING

ANSWERS

A) _____

B) _____

C) _____

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- A) A total of \$8000 is invested in two mutual funds. At year's end one has paid 4%, the other 5% annual interest. If the combined interest after one year is \$350, how much was invested in the fund paying 4% interest?

Solve for x in terms of R: $R = \frac{1}{x} + \frac{1}{R}$

- C) Find the area of the triangle whose vertices are (1,2) (3,9) and (6,5)