## MML: OCTOBER 2003 Contest #1

Round 1: Geometry: Volume/Surface Area

## Round 2: Pythagorean Theorem

A) 
$$132\pi \text{ cm}^2$$

- **B)**  $7\sqrt{6}$
- **C)**  $2\sqrt{13}$

**Round 3: Linear Equations** 

- B) 40
- C) 39

**Round 4: Fractions and Mixed Numbers** 

- A) -1
- B) 3/5 and -10/-8 (may not be reduced)
- C) -111/44

Round 5: Inequalities and Absolute Value

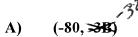
## A) x < -3 or 0 < x < 8

- B) -1, 2, 3
- C) x < -1/3 or x > 1/8

**Round 6: Evaluations** 

- A) 2
- B) 81
- C) 16

Round 7: Team



- **D)** 3, -1/3
- **B)**  $13\sqrt{13}$
- E) x < 1/2 or x > 5

C) 92¢

**F**) 4