Quiz 8

An ancient relic has been donated to the museums of Boston - the MFA (A), ICA (B), and Mass MoCA (C) have asked a referee to make a compensation arrangement. They submits their bids for the relic:

\[ a = 330,000 \quad b = 240,000 \quad c = 300,000 \]

1. (3 pts) What are the fair shares?
   A: 
   B: 
   C: 

2. (1 pt) What is the average bid? 
   \[ m = \underline{} \]

3. (1 pt) If B is chosen as the winner, is a fair compensation arrangement possible?
   Circle One: Yes No

4. Suppose C is chosen as the winner and the compensation amounts are

   \[ x_A = 100,000 \quad x_B = 90,000 \]

   (a) (2 pts) Compute the payout to the winner, C, given these compensation amounts:
   \[ x_C = \underline{} \]

   (b) (1 pt) Is this compensation arrangement fair to A?
   Circle One: Yes No

   (c) (1 pt) Is this compensation arrangement fair to C?
   Circle One: Yes No

   (d) (1 pt) What does A think C gets? \underline{} 
   (Show work for partial credit)