



Problem of the Week

Problem A

Storage Unit

Jerry bought the contents of two large storage units at an auction for a total of \$500. One storage unit contains some bicycles and the other storage unit contains some tricycles.

- (a) If each storage unit has exactly 72 wheels, how many bicycles and tricycles are there in total? Justify your answer.
- (b) Jerry plans to sell each tricycle for \$10 and each bicycle for \$25. What is the maximum profit Jerry can make if he is able to sell all the bicycles and tricycles in storage for these prices? Justify your answer.

