

DO NOW

Mary has a collection of nickels and quarters for a total value of \$4.90. If she has 42 coins total, how many of each kind are there?

let x = nickels
 y = quarters

$$.05x + .25y = 4.90$$

$$x + y = 42$$

28 nickels
 14 quarters

Dec 15-1:30 PM

HW Answers

1) D

2a) Let x = # of tickets the day before y = # of tickets the day of

$$6x + 9y \geq 5000$$

$$x + y \leq 800$$

2b) Yes it is possible because you only need to sell 263 more tickets which in total is 703 tickets. This is less than the maximum tickets that can be sold of 800.

3) B

4) C

Nov 18-8:01 AM

What you need to know for the test:

- Solving a system of equations graphically
- Solving a system of equations algebraically:
 - using elimination or substitution
- Solving word problems using a system of equations
 - algebraically and graphically
- Graphing linear inequalities
- Determining if a given point is a solution for a system of equations or inequalities
- Graphing systems of linear inequalities
 - including "real world" application problems

Dec 15-1:41 PM