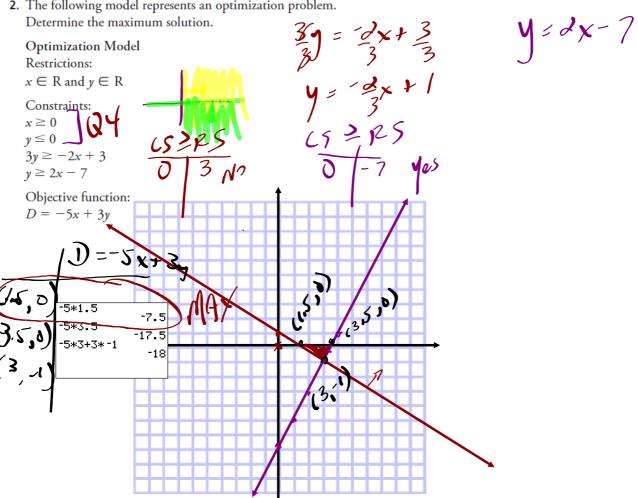
HOMEWORK???

2. The following model represents an optimization problem.

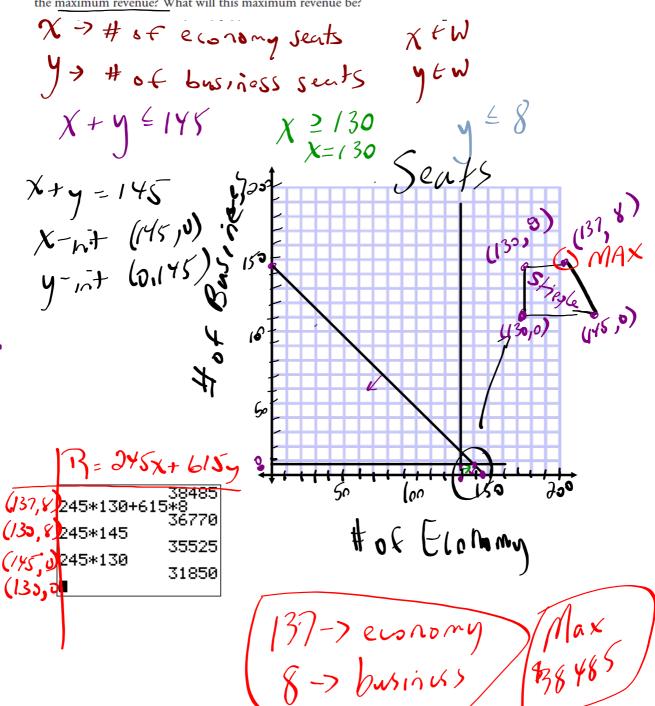


- **11.** On a flight between Winnipeg and Vancouver, there are business class and economy seats.
 - At capacity, the airplane can hold no more than 145 passengers.
 - No fewer than 130 economy seats are sold, and no more than 8 business class seats are sold.

The airline charges \$615 for business class seats and \$245 for economy seats.

R=245x + 615 y

What combination of business class and economy seats will result in the maximum revenue? What will this maximum revenue be?

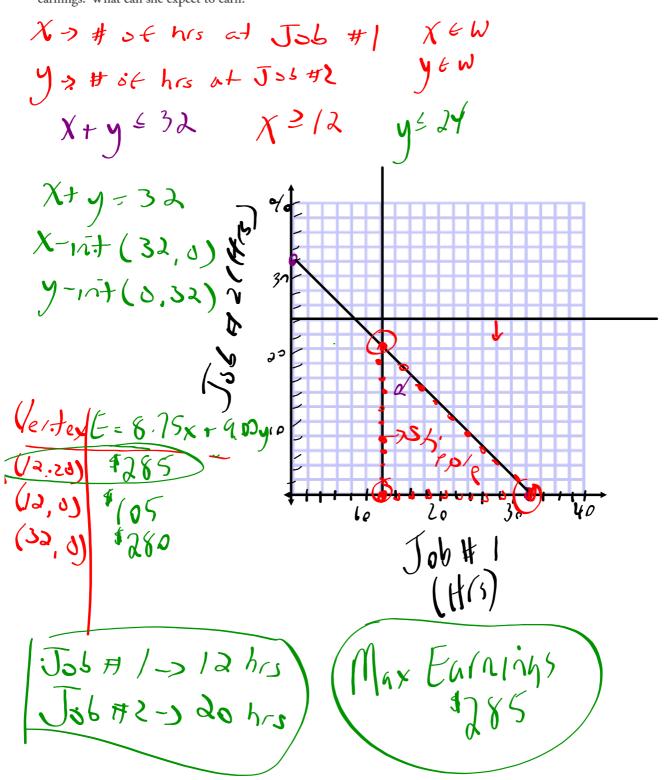


13. Sophie has two summer jobs.

- She works no more than a total of 32 h a week. Both jobs allow her to have flexible hours but in whole hours only.
- At one job, Sophie works no less than 12 h and earn \$8.75/h.
- At the other job, Sophie works no more than 24 h and earns \$9.00/h.

What combination of numbers of hours will allow her to maximize her earnings? What can she expect to earn?





Untitled.notebook February 27, 2017

HOMEWORK: Test is on WEDNESDAY!!!

*** CHECK AND CORRECT your quiz...on the website!!!

Review/Practice Questions...

- p. 239: Mid-Chapter Review (Frequently Asked Questions)
- p. 241: Mid-Chapter Practice Questions
- p. 266: Chapter Review (Frequently Asked Questions)
- p. 267: Chapter Practice Questions
 - p. 265: Chapter Self-Test (Do this AFTER you practice)

TUESDAY's class will be a Math Help Centre... come prepared with any questions!

