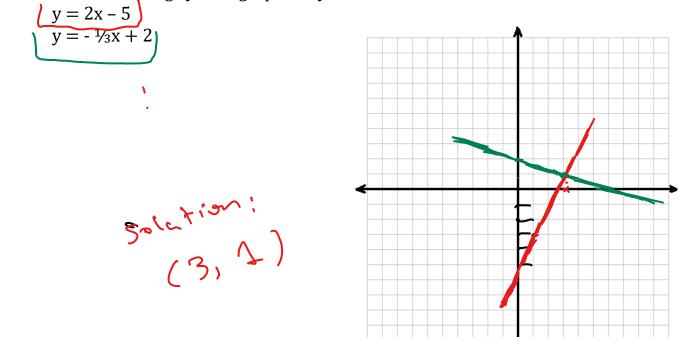
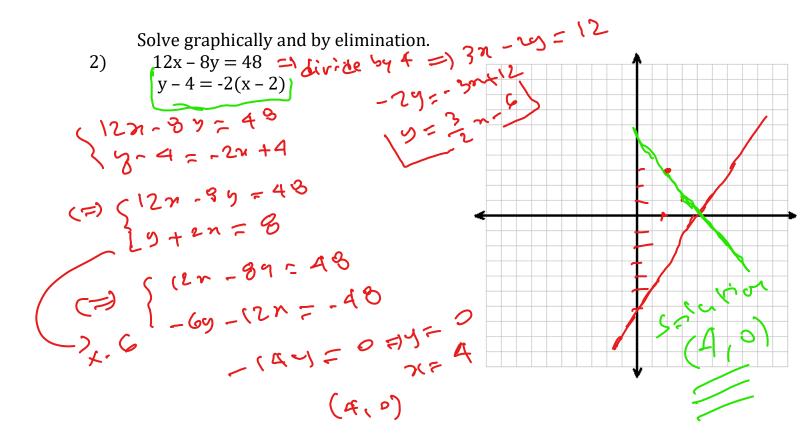
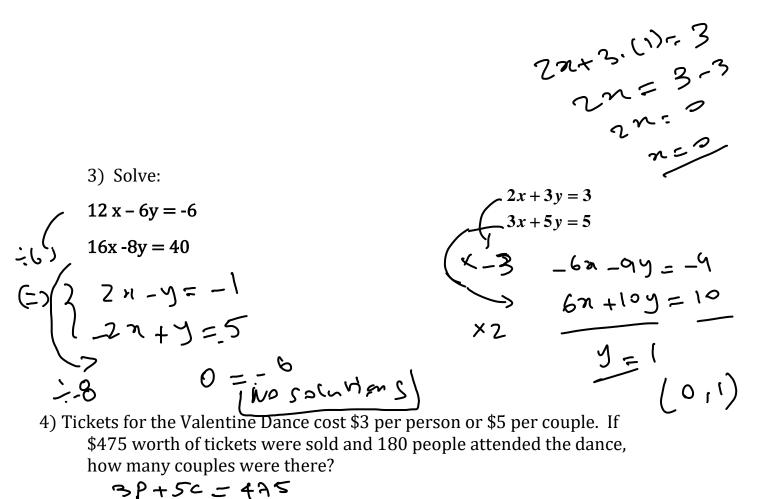
Name: Solutions Math 1215 Hw 4

1.Solve the following system graphically:







4) Tickets for the Valentine Dance cost \$3 per person or \$5 per couple. If \$475 worth of tickets were sold and 180 people attended the dance,

$$3P + 5c = 435$$
  

$$P + 2c = 180$$
  

$$\Rightarrow P = 180 - 2c$$
  

$$3(180 - 2c) + 5c = 475$$
  

$$540 - 6c + 5c = 475$$
  

$$540 - c = 475 = 2 (65)$$
  

$$P = 130 = 50$$
  

$$P = 130 = 50$$

5) The sum of two numbers is 200 and their difference is 28. What are the two numbers?