

8) It takes about fifteen minutes to bowl a full game alone. I want to bowl six games Thursday afternoon. Shakey Bowl has \$4 shoe rentals and it costs \$3 per game. Quickie Bowl is \$20 per hour with free shoes. If I want to save money, where do I bowl on Thursday afternoon?

9) In Anatomy class, your final grade is just the average of your four exams. You didn't get the final exam handed back because it was given on the last day of class. On the first two exams, you got 78% and 92%, however, you received a B (80-89%) in the class. What was the lowest grade your final exam could have been? The highest?

10) As a full-time student, you must be enrolled in 12 credit hours per semester. If your program requirements include 60 credit hours of coursework, what is the fewest number of semesters you must attend Delgado?

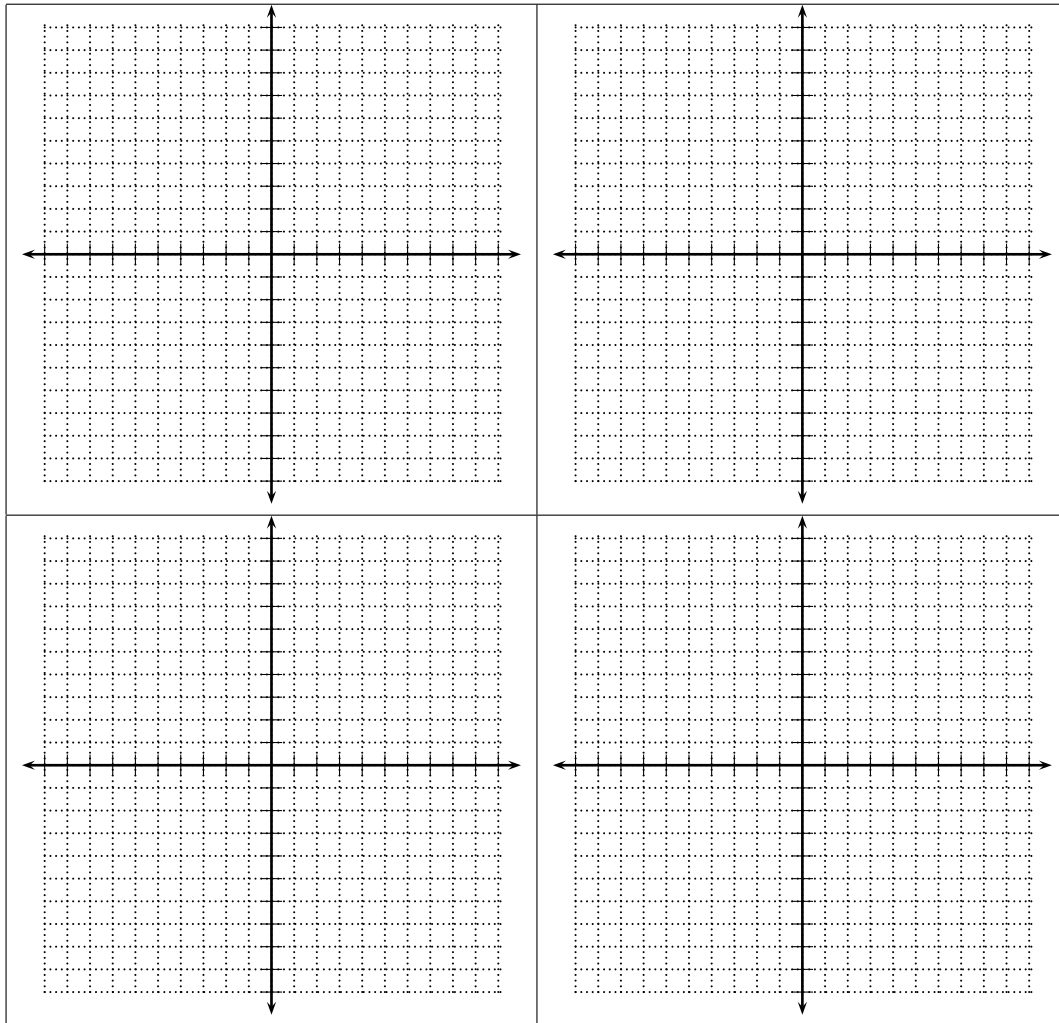
Section III Plot the expression on the Cartesian coordinate system. (5 pts. each)

11) $y > 3x + 2$

12) $x \leq 3y$

13) $3 \geq \frac{y-3}{x-3}$ and $y > 2x$

14) $-3 > \frac{y+4}{x-2}$ and $x + 7 \geq y$



Section IV Where do these lines intersect? Indicate whether you are using substitution or elimination. Use each one at least twice. (5 pts. each)

15) $y = 4x + 1$ and $x = 4y + 1$

16) $2x + 3y = 6$ and $-2x + 3y = 6$

17) $x + 2y = 6$ and $2x + y = 9$

18) $3(x + y) = 24$ and $3y - 3x = 6$

19) $2x + 3y = 19$ and $12y + 6x = 66$

20) $3x - 2(y - x) = x + y$ and $x = 2y + 6(2 - \frac{1}{2}y)$

Section V Solve. (5 pts. each)

21) Fourteen people go to the zoo. Adult admission is \$8 and children's admission is \$3. The group paid \$62 in admission fees. How many children and adults went to the zoo?

22) This morning, Jason ran 6 miles per hour through City Park, then 5 miles per hour down Orleans Avenue. If he ran a total of 30 miles in five and a half hours, how much time did he spend running through City Park?