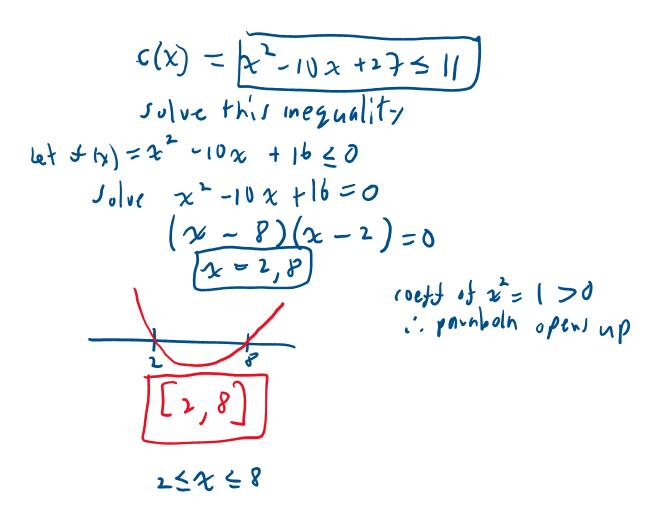
Exam 2

Thursday, 03/13/25 (changed from Wednesday)

1.6-1.7,2.1 -2.4

2.4

34. Suppose $C(x) = x^2 - 10x + 27$, $x \ge 0$ represents the costs, in *hundreds* of dollars, to produce x thousand pens. Find the number of pens which can be produced for no more than \$1100.



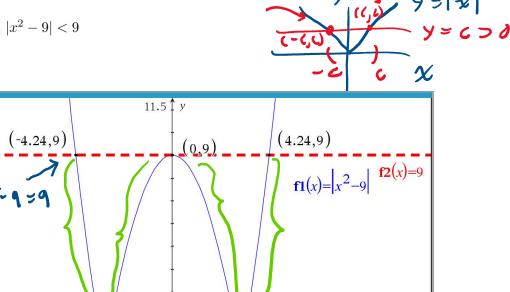
If we produce between 2000 and 8000 pens (including the end values), the cost is no more than \$1100.

2.4: 27

2.4.1EXERCISES

In Exercises 1 - 32, solve the inequality. Write your answer using interval notation.

$$27. \ 2 \le |x^2 - 9| < 9$$



(3.32,2)

(3,0)

f3(x)=2

11.35

From graph

8.65

(-3.32,2)

(-3,0)

$$\approx (-4.24, -3.32] \cup [-2.65, 0) \cup (0, 2.65] \cup [3.32, 4.24)$$

1

(-2.65,2) (2.65,2)

-1.82

$$\chi^{2} - 9 = 9$$
 $\chi^{2} = 18$
 $\chi^{2} = 18$
 $\chi^{2} = \pm \sqrt{18}$
 $\chi^{2} = \pm \sqrt{9}$
 $\chi^{2} = \pm \sqrt{3}$

3*sqrt(2)=4.242640687119285 Finish this at on your own.

Write the point-slope equation of the line with slope =4 and passing through the point (5,8). Then, convert it to slope-intercept form.

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slope =4 and passing through the point (5,8). Then, convert it to slope-intercept form.

point -1 lupe

$$y-y_0 = m(x-x_0)$$
 $y-y_0 = m(x-x_0)$
 $y-y_0 = m(x-x_0)$
 $y-y_0 = fixed point$
 $y=y-y=0$
 $y=y-y=0$
 $y=y-y=0$
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