

3 Review Quiz 3.1-3.2 - 2023.notebook

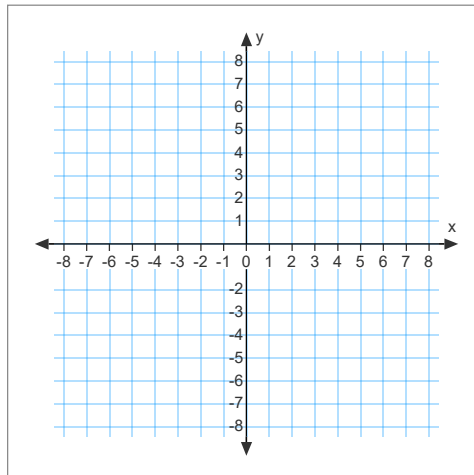
Review 3.1-3.2

1) Solve by Graphing:

$$x + 2y = 4$$

$$y = -3x - 3$$

$(-2, 3)$



2) Solve by Substitution:

$$4x + y = -1$$

$$-2x - 3y = 13$$

$$\rightarrow y = -4x - 1$$

$$= -4(1) - 1$$

$$-2x - 3(-4x - 1) = 13 \quad = -5$$

$$-2x + 12x + 3 = 13 \quad (1, -5)$$

$$10x = 10$$

$$x = 1$$

3) Solve by Elimination:

$$x - y = 1$$

$$-6x + 5y = 3$$

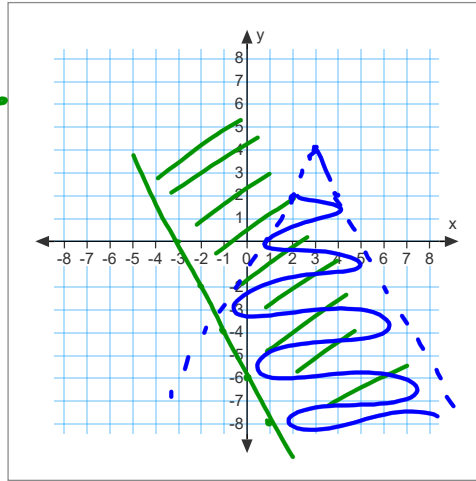
$(-8, -9)$

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Graph the inequality.

4) $-y \leq 2x + 6 \rightarrow y \geq -2x - 6$
 $y < -2|x - 3| + 4$
 V(3,4)



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Review 3.1-3.2



- 5) At Renaldi's pizza, 2 sodas and four slices of pizza-of-the-day cost \$20.50. Three sodas and 10 slices of pizza cost \$47.75. Find the cost of each item.

- 6) Using your calculator, find the solution to the system. Round your coordinates to the nearest tenth.

$$-3x - 4y = 18$$

$$3y + 60 = 2x$$

$$-4y = 3x + 18$$

$$y = -\frac{3}{4}x - \frac{18}{4}$$

$$3y = 2x - 60$$

$$y = \frac{2}{3}x - 20$$

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GO COUGARS!

QUIZ REVIEW HW

See link on website

Sep 20-2:36 PM

EXTRA SLIDE

Sep 6-4:28 PM

Review 3.1-3.2



- 4) At Renaldi's pizza, 2 sodas and four slices of pizza-of-the-day cost \$20.50. Three sodas and 10 slices of pizza cost \$47.75. Find the cost of each item.

5)



The table shows the enrollments of Sizemore Middle School and Wright Middle School for 7 years.

	1990	1991	1992	1993	1994	1995	1996
Year, x	0	1	2	3	4	5	6
Sizemore MS, S	1500	1438	1423	1350	1308	1247	1204
Wright MS, W	825	854	872	903	927	946	981

Using your calculator to find the linear model for each school. In what year are the populations predicted to be the same? What will the population be?

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