

9/14 Notes

- go over hw question
- any other questions?

QOB: 1, 3, 6, 7

QuizNotes

- When solving 2-variable equations there are 3 possible outcomes
 - the lines are \parallel & there's no solution
 - the lines intersect at one point, there's 1 answer in point form.
 - they are the same line & there's infinite answers.

Substitution

- plugging 1 equation into the other & solving.

ex $3x - 4y = 8$ I can plug in for y
 $y = x - 1$

$$3x - 4(x - 1) = 8 \quad \text{then find } x$$

$$3x - 4x + 4 = 8$$

$$-x + 4 = 8$$

$$-x = 4$$

$$x = -4$$

now find y .

$$y = x - 1$$

$$y = -4 - 1$$

$$y = -5$$

$$\text{answer: } (-4, -5)$$