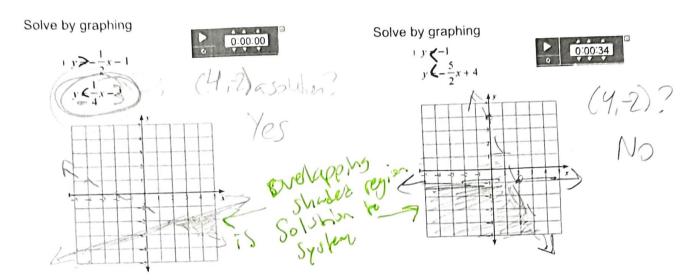
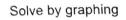
Non Linear Systems of Equations and Inequalities Review Guide

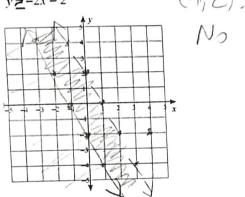






$$y \not \le -2x + 2$$
$$y \not \ge -2x - 2$$









y > 4|x+3|-2

y > 5

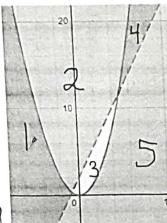
Solution Region



Is (-5, 6) a solution? explain







 $y \le 4|x+3|-2$

y > 5

Solution Region: $\frac{|\xi|}{|\xi|}$

2 Solution Points include: _

Is (-5, 6) a solution? explain my pont in

It is on the bandon 1 & 3

It thesolution rain (-8,7) or (3,6)

Thereire is solid

 $y > 1/2 x^2$

y > 2x+2

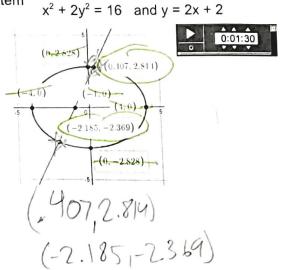
Solution Region: \\\

2 Solution Points include:

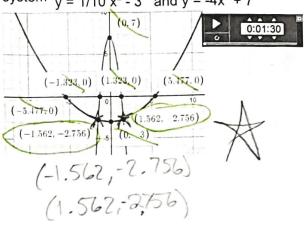
Is (-5, 6) a solution? explain

Non Linear Systems of Equations and Inequalities Review Guide

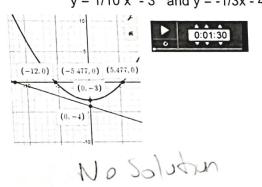
What are the solution coordinates to the system



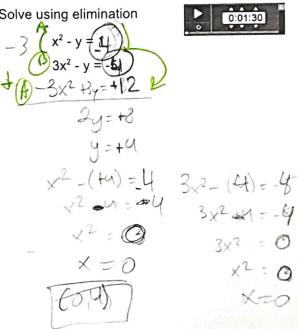
What are the solution coordinates to the system $y = 1/10 x^2 - 3$ and $y = -4x^2 + 7$



What are the solution coordinates to the system $y = 1/10 x^2 - 3$ and y = -1/3x - 4



Solve using elimination





Solve using subsitution

$$3x^{2} + 5y = 2$$

 $x - 4 = -18$
 44
 44
 44

$$3(-4)^{2}+5y=-\frac{2}{3}$$

$$3(-4)^{2}+5y=-\frac{2}{3}$$

$$3-16+5y=-2$$

$$48+5y=-2$$

$$5y=-5$$

$$y=-10$$

