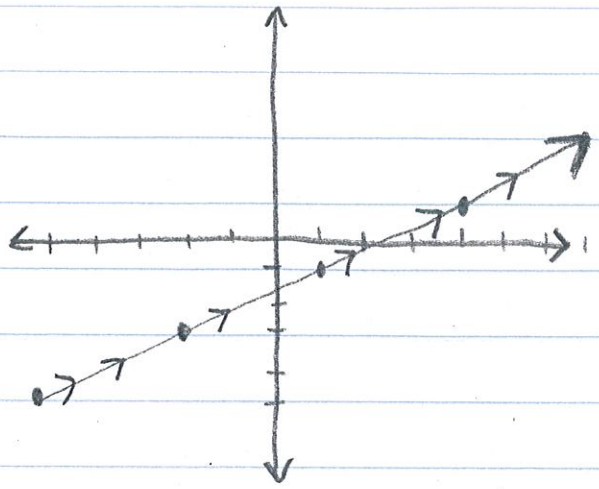
Pg 369-371 #1, 3, 5

1.

t	x	y
-2	-5	-5
-1	-2	-3
0	1	-1
1	4	1
2	7	3
3	10	5

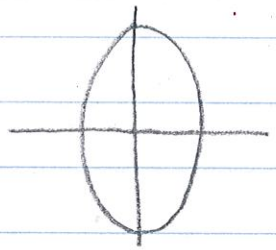


3. $\frac{x}{3} = \cos t$ $\quad \frac{y}{5} = \sin t$

$\frac{x^2}{9} = \cos^2 t$ $\quad \frac{y^2}{25} = \sin^2 t$

$\frac{x^2}{9} + \frac{y^2}{25} = 1$

*Ellipse because sine and cose had different amplitudes!



5. $\frac{x-5}{7} = \cos t$ $\quad \frac{y-2}{3} = \sin t$

$\frac{(x-5)^2}{49} + \frac{(y-2)^2}{9} = 1$

*Ellipse with shifted center.