

$$8x - 13y = 7$$

$$13 = 8(1) + 5$$

$$8 = 5(1) + 3$$

$$5 = 3(1) + 2$$

$$3 = 2(1) + 1$$

$$2 = 2(1) + 0$$

i/t	r	q	s_t
0	-13	\	10
1	8	1	01
2	5	1	1-1
3	3	1	-1 2
4	2	1	2-3
5	1	2	-3 5

$$x = 13/1 \ t$$

$$x = 13t$$

$$x = 5(13t)$$

$$y = -8/1 \ t$$

$$y = -8t$$

$$y = -3-8t$$