Valentine Graph – Horizontal Translations

(1) Number the graph as described. x-axis: 0 – 20; y-axis: 0 - 6

(2) Connect the points as you plot them	(3) Translate each point seven units left. $(x,y) \Rightarrow (x - 7, y)$	Original points – plotted in step (2)	(4) Translate each point seven units right. $(x,y) \Rightarrow (x + 7, y)$
(10,0)		(10,0)	
(11, 1)		(11, 1)	
(12, 2)		(12, 2)	
(13, 4)		(13, 4)	
(13, 5)		(13, 5)	
(12, 6)		(12, 6)	
(11, 6)		(11, 6)	
(10, 5)		(10, 5)	
(9, 6)		(9, 6)	
(8, 6)		(8, 6)	
(7, 5)		(7, 5)	
(7, 4)		(7, 4)	
(8, 2)		(8, 2)	
(9, 1)		(9, 1)	
(10, 0)		(10, 0)	
Stop		Stop	