Burning Candles

For each situation, represent the same information in the form of (a) a table; (b) two graphs; and (c) two equations. Explain the significance of the point of intersection of the two graphs.

Complete the table, and use the data to construct the graph. Write a paragraph that explains what happens and why?

Candles. Janis lights two candles at the same time. The red candle is 12 in. long and burns at the rate of 2.5 in./h. The blue candle is 9 in. long and burns at the rate of 1.5 in./h. Show how each candle's length is a function of the number of hours the candle has burned.

Equations:

Time (h)	Length (in.)	
	Red	Blue
0		
1		
2		
3		
4		
5		
6