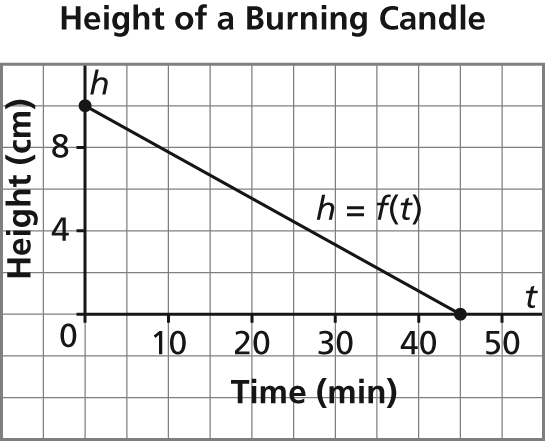
NOTES 5.7 Interpreting graphs of linear functions

**1.** This graph shows how the height of a burning candle changes with time.

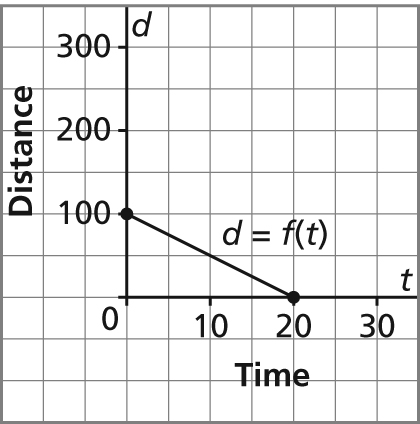
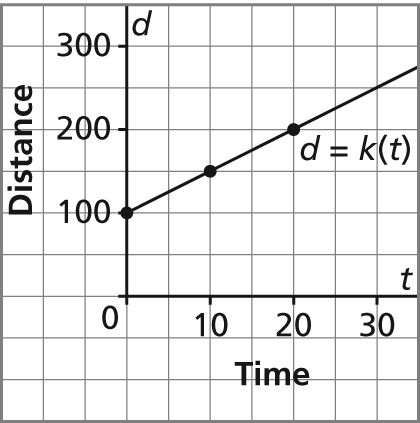
**a)** Write the coordinates of the points where the graph intersects the axes. Determine the vertical and horizontal intercepts. Describe what the points of intersection represent.

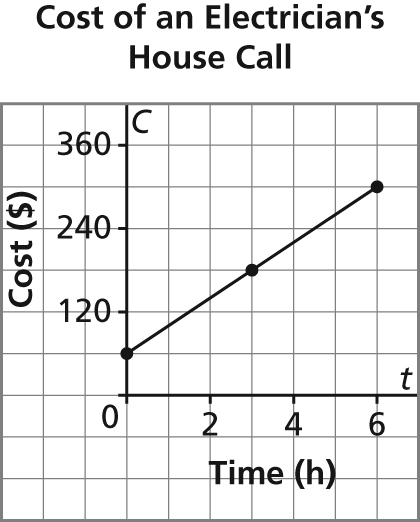
**b)** What are the domain and range of this function?

**2**. Sketch a graph of the linear function *f*(*x*) = 4*x* – 3.



**3.** Which graph has a rate of change of –5 and a vertical intercept of 100? Justify your answer.

**a) b)**  

**4**. This graph shows the total cost for a house call by an electrician for up to 6 h work. The electrician charges $190 to complete a job. For how many hours did she work?