Connecting Table, Graph, and Equation

REAL-WORLD EXAMPLE

A kapok tree is a very tall rainforest tree. Assume that a kapok tree grows 12 feet each year. Complete the table and use the points to graph the growth of the kapok tree.

Year	Height (ft)
0	0
1	12
2	24
3	
4	
5	
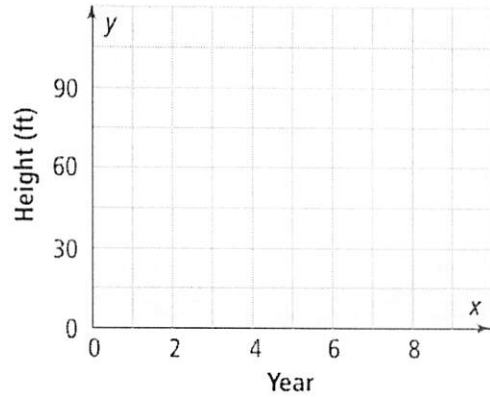
Got It?

x	y
0	4
1	5
2	6
3	7
4	8
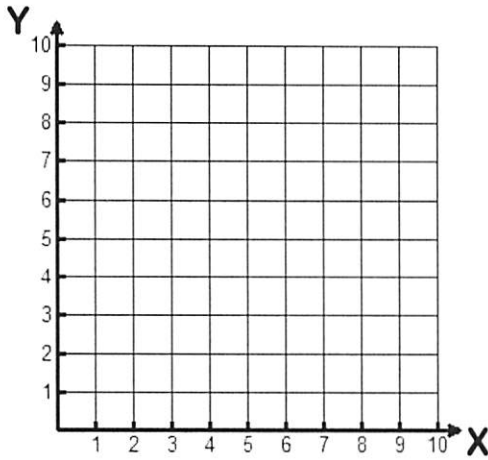
x	y
0	0
2	8
4	16
6	24
8	32
10	40

Example

A plane is traveling at 500 miles per hour. Complete the table and use the points to graph the miles flown.

Time (hours)	$500 \cdot h$	Miles
1		
2		
3		
4		
5		
h		m

Example

Use the graph to write an equation that represents the relationship between x and y. Complete the table to start.

x	y

Got It?

Use the graph to write an equation that represents the relationship between x and y.
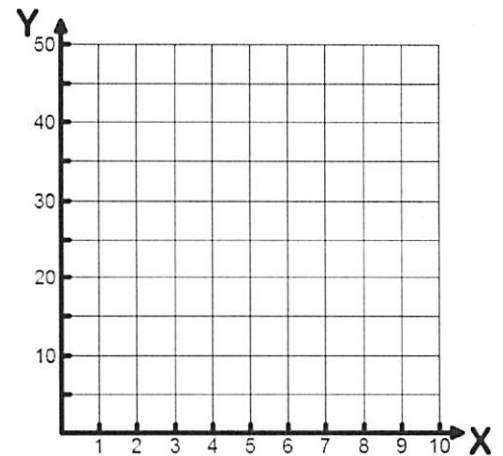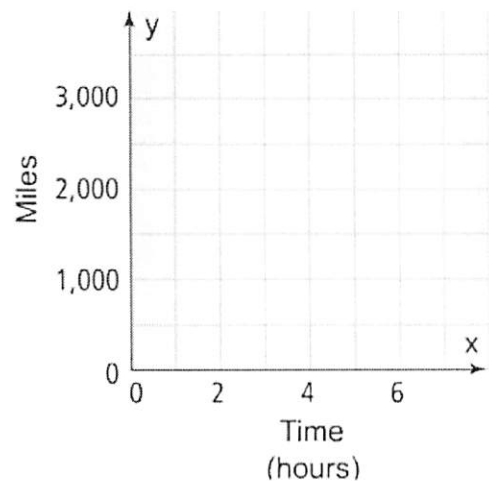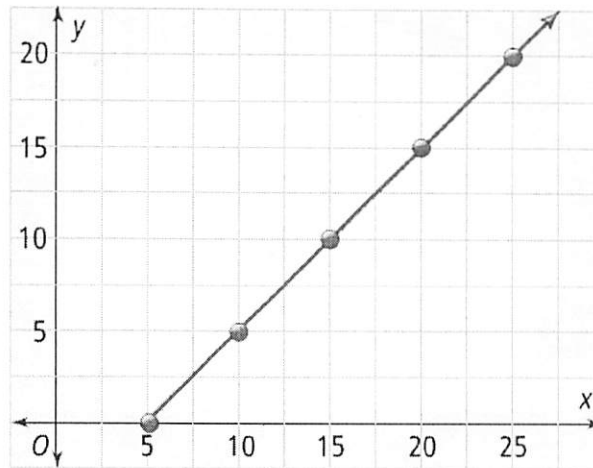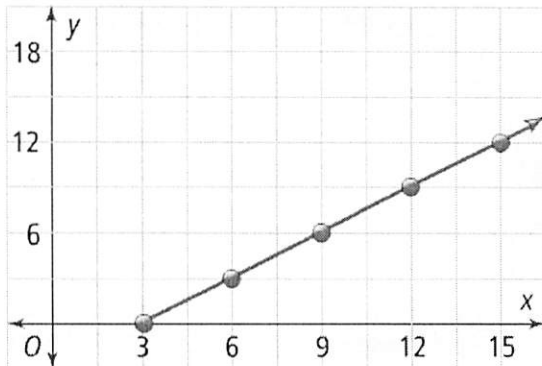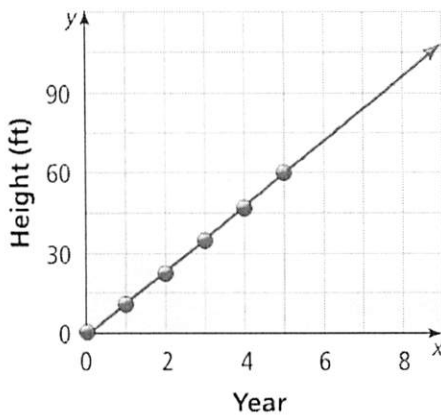

Got It?

Use the graph to predict how tall a kapok tree will be in Year 8.

Year

"I Can Explain the Relationship between Independent and Dependent Variables using Tables, Graphs, and Equations."
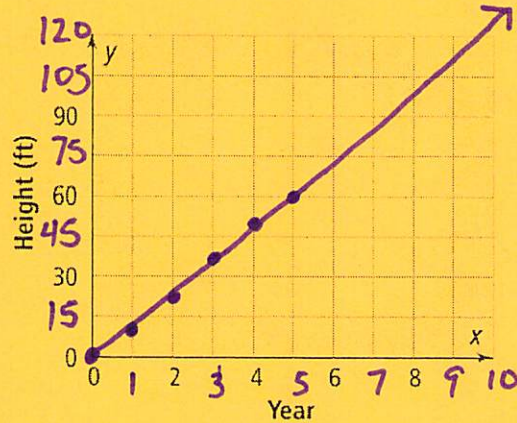
Connecting Table, Graph, and Equation

REAL-WORLD EXAMPLE

A kapok tree is a very tall rainforest tree. Assume that a kapok tree grows 12 feet each year. Complete the table and use the points to graph the growth of the kapok tree.
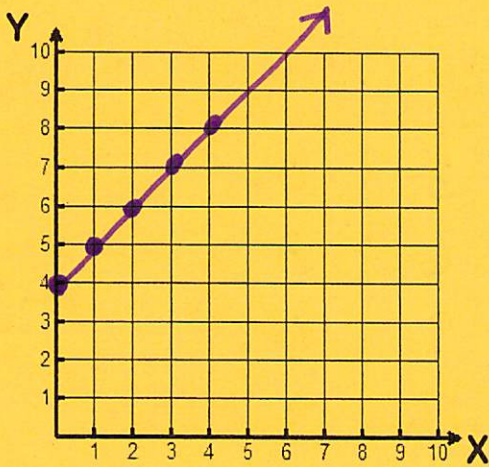
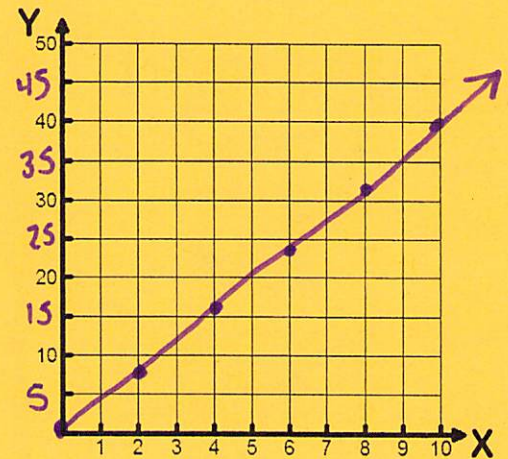$$y \cdot 12 = h$$

Year Y	Height (ft) h
0	0
1	12
2	24
3	36
4	48
5	60

Got It?

x	y
0	4
1	5
2	6
3	7
4	8

$$x + 4 = y$$

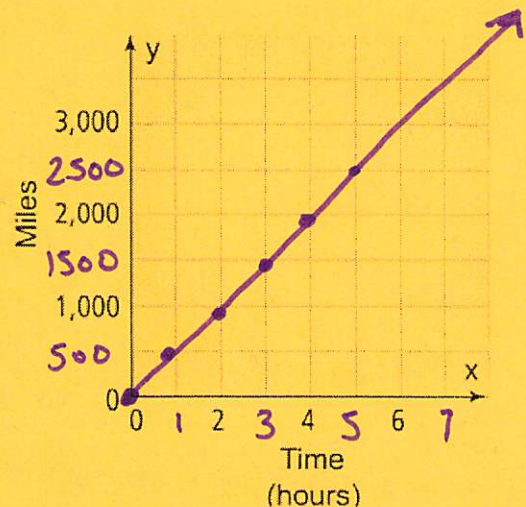| x	y
0	0
2	8
4	16
6	24
8	32
10	40

$$x \cdot 4 = y$$

Example

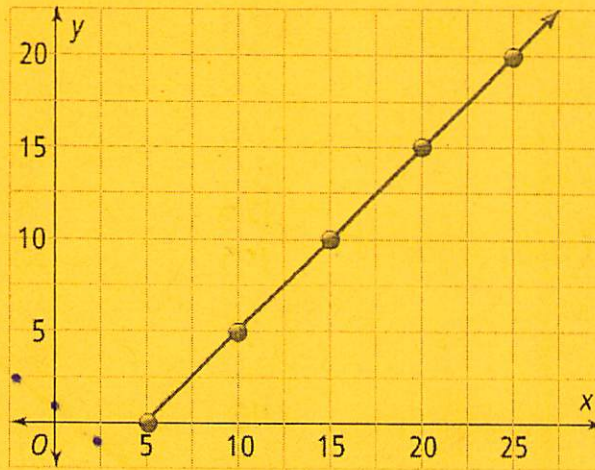A plane is traveling at 500 miles per hour. Complete the table and use the points to graph the miles flown.

Time (hours)	500 • h	Miles
1	500 · 1	500
2	500 · 2	1000
3	500 · 3	1500
4	500 · 4	2000
5	500 · 5	2500
h	500 · h =	m

Example

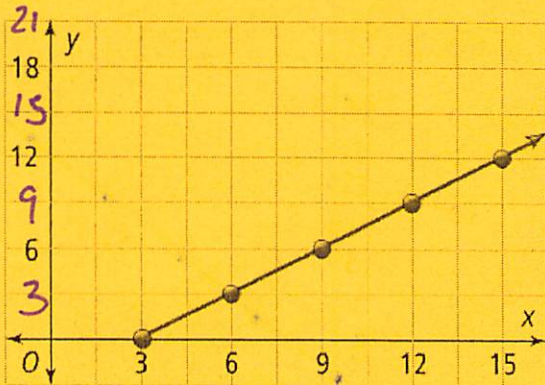🔊 Use the graph to write an equation that represents the relationship between x and y. Complete the table to start.

x	y
5	0
10	5
15	10
20	15
25	20

$x - 5 = y$

Got It?

🔊 Use the graph to write an equation that represents the relationship between x and y.
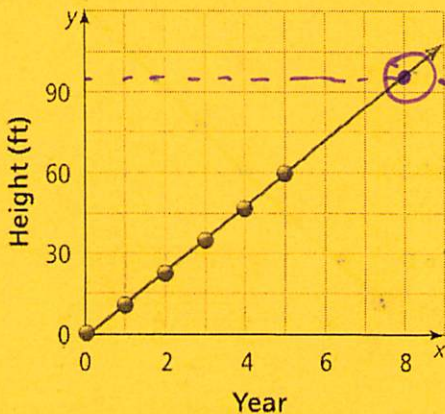

X	Y
3	0
6	3
9	6
12	9
15	12

$x - 3 = y$

Got It?

🔊 Use the graph to predict how tall a kapok tree will be in Year 8.

About