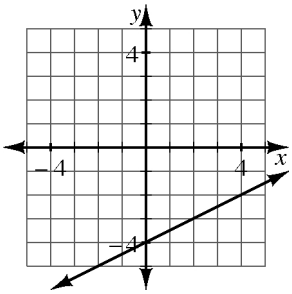
Team Sort

Table:

x	*y*
2	–3
3	–2.5
4	–2
5	–1.5

Equation: $y = \frac{1}{2}x - 4$

Graph:



Situation:

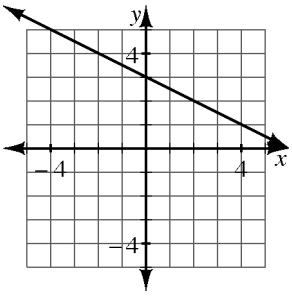
The temperature at midnight was 4°F below zero. It steadily grew 1°F warmer every 2 hours.

Table:

x	*y*
–3	4.5
–2	4
–1	3.5
0	3

Equation: $y = -\frac{1}{2}x + 3$

Graph:



Situation:

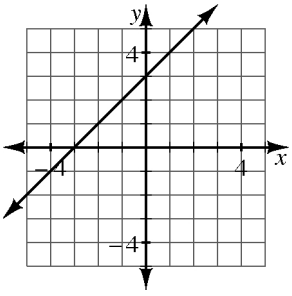
At noon, Carol had $3. She then bought a 50¢ soda every hour.

Table:

x	*y*
–3	0
–2	1
–1	2
0	3

Equation: $y = x + 3$

Graph:



Situation:

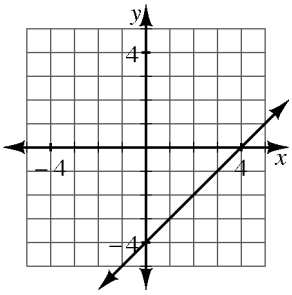
When a tree was planted, it was 3 feet tall. After 5 months of growing at a constant rate, it was 8 feet tall.

Table:

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

Equation: $y = x - 4$

Graph:



Situation:

Joey is 4 miles south of his home. While walking north at a constant speed, he passes his house after 4 hours.

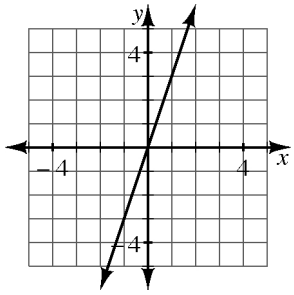
Team Sort

Table:

x	*y*
1	3
2	6
3	9
4	12

Equation: $y = 3x$

Graph:



Situation:

Figure 1 Figure 2

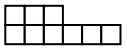


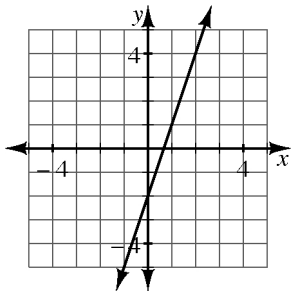
Figure 3

Table:

x	*y*
1	1
2	4
3	7
4	10

Equation: $y = 3x - 2$

Graph:



Situation:

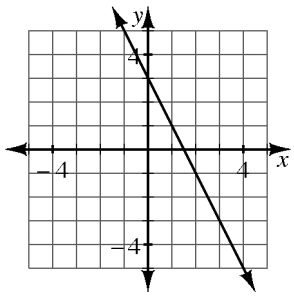
An elevator at Frump Tower climbs 3 floors per minute. After 1 minute, it is on the 1st floor.

Table:

x	*y*
5	–7
6	–9
7	–11
8	–13

Equation: $y = -2x + 3$

Graph:



Situation:

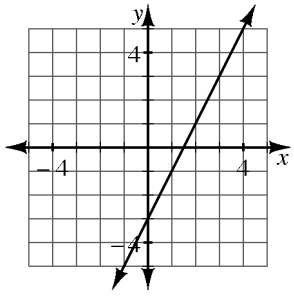
At 12 noon, the temperature was 3°F. Then the temperature fell steadily and reached –1°F at 2:00 PM.

Table:

x	*y*
2	1
3	3
4	5
5	7

Equation: $y = 2x - 3$

Graph:



Situation:

Figure 3 Figure 4

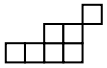


Figure 5