Chapter 6 Warm-Up Answers
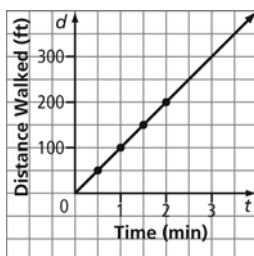
BLM 6–3 Chapter 6 Warm-Up
Section 6.1
1. a)

Time, t (s)	Distance Walked, d (ft)
30	50
60	100
90	150
120	200

b)

2. a)

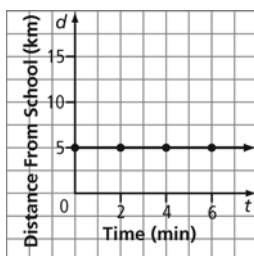| Time, t (s)	Distance Walked, d (ft)
30	75
60	150
90	225
120	300

b)
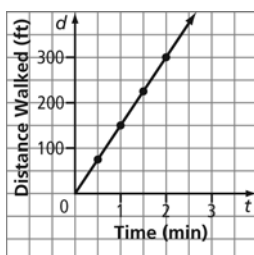
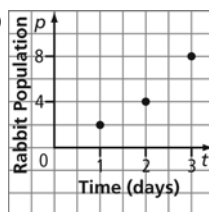**3.** Example: The scenario with the faster speed creates a steeper line than the scenario with the slower speed.
4. a)

Time t, (min)	Distance From School d, (km)
0	5
2	5
4	5
6	5

b)

5. a)

b) Example: No. The data does not lie in a line.
Section 6.2
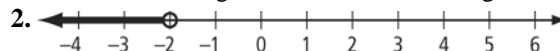**1. a)** 1 **b)** 2 **c)** 3 **d)** 0 **2.** A
3. Example: number of stock of various shoe sizes over time
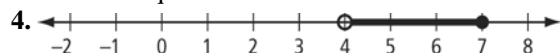**4.** Example: distance travelled by a vehicle moving at a constant speed over time
5. Example: distance travelled by a soccer ball after it is kicked into the air over time
Section 6.3
1. all real numbers greater than and including 3
2.

3. all real numbers greater than or equal to –2 and less than or equal to 3
4.

5. Examples:
a) multiples of 1; start at 0; end at 5
b) multiples of 100; start at 0; end at 300
Section 6.4
1. a) 1, 2, 9 **b)** –3, –1, 0 **c)** all real numbers
2. a) 3, 4, 5 **b)** 1, 4, 7 **c)** all real numbers
3. a) $y = 32$ **b)** $y = 14$
4. a) $x = 5$ **b)** $x = -7$
5. 65 min
Section 6.5
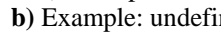**1. a)** 2 **b)** 3 **2. a)** 9 **b)** 4
3. a)

b)

c)

4. a) Example: 0. There is no rise or steepness.
b) Example: undefined or no number. There is no run. Division by zero is not defined.
5. Examples:
a) (3, 7) **b)** To go from (0, 4) to (2, 5), you move two right and one up. So, the next point that is two right and one up is (3, 7).