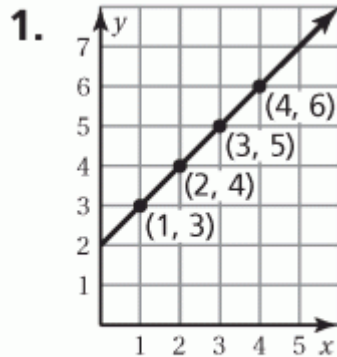
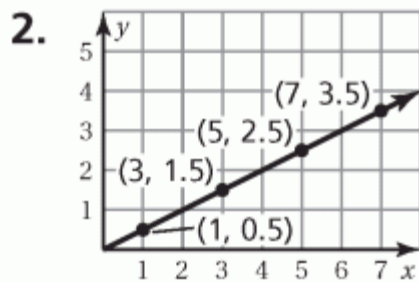


## 5.2 Extension (pg. 176) Answers



no



yes

3. (0, 0): You earn \$0 for working 0 hours.

(1, 15): You earn \$15 for working 1 hour;

$$\text{unit rate: } \frac{\$15}{1 \text{ h}}$$

(4, 60): You earn \$60 for working 4 hours;

$$\text{unit rate: } \frac{\$60}{4 \text{ h}} = \frac{\$15}{1 \text{ h}}$$

4. (0, 0): The balloon rises 0 feet in 0 seconds.

(1, 5): The balloon rises 5 feet in 1 second;

$$\text{unit rate: } \frac{5 \text{ ft}}{1 \text{ sec}}$$

(6, 30): The balloon rises 30 feet in 6 seconds;

$$\text{unit rate: } \frac{30 \text{ ft}}{6 \text{ sec}} = \frac{5 \text{ ft}}{1 \text{ sec}}$$

5. yes; 5 ft/h

6. no

7.  $y = \frac{4}{3}$

8. a. You

<b>Days</b>	1	2	3	4	5
<b>Cost (dollars)</b>	1.50	2	2.50	3	3.50

Friend

<b>Days</b>	1	2	3	4	5
<b>Cost (dollars)</b>	1.25	2.50	3.75	5	6.25

b. your friend