## Graph Proportional Equations

**Questions 1-2: Write an equation(y=kx) that represents the relationship in each table and graph the corresponding line**

**1.)**

| x | y |
|---|----|
| 2 | 8 |
| 3 | 12 |
| 4 | 16 |
| 5 | 20 |

**Constant of Proportionality:** _____ **Equation:**_____

**Graph:**



**2.)**

| x | y |
|---|------|
| 0 | 0 |
| 2 | ⅔ |
| 4 | 1 ⅓ |
| 6 | 2 |

**Constant of Proportionality:** _____ **Equation:**_____

**Graph:**



**Questions 3-4: Given the equation, complete the table and graph the relationship.**

**3.)**

$y = 2.5x$

| x | y |
|---|---|
| 0 | |
| 1 | |
| 2 | |
| 3 | |

**Constant of Proportionality:** _____

**Graph:**

**4.)**

$y = (¾)x$

| x | y |
|---|---|
| 0 | |
| 1 | |
| 2 | |
| 3 | |

Constant of Proportionality: _____
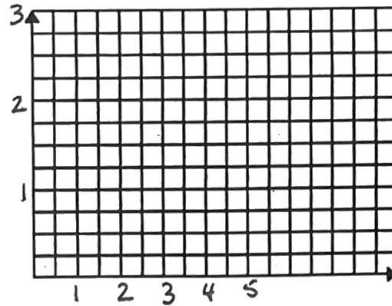
Graph:



**Question 5: Given the graph, complete the table and write an equation that represents the relationship**

**5.)**

| x | y |
|---|---|
| 0 | |
| 2 | |
| 4 | |
| 6 | |

Constant of Proportionality: _____     Equation:_____

Graph:
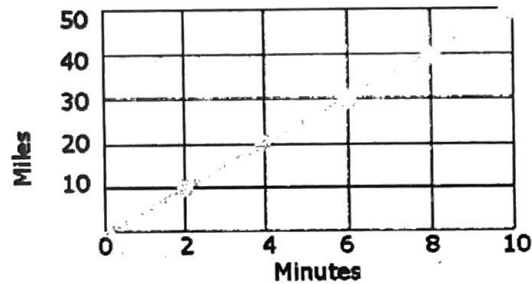


**6.)** It cost $5 to send 6 packages through a certain shipping company. Consider the number of packages per dollar.

        a. Find the constant of proportionality for this situation.

        b. Write an equation to represent the relationship.