Constant of Proportionality

Name _____ Date _____ Period ___

Determine what the Constant of Proportionality (k) is for each of the tables, graphs, and equations. Write the equation for the table or the graph using the Constant of Proportionality.

1.

Seconds	Feet
2	12
4	24
6	36
8	48

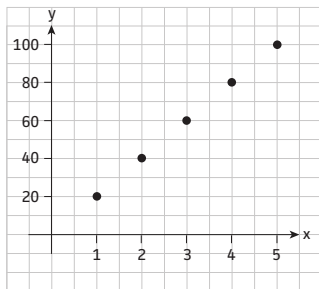Constant of Proportionality (k) = _____

Equation: _____

2.

x (Number of Years)	y (Deaths of Black Americans)
1	39,000
2	78,000
3	117,000
4	156,000
5	195,000

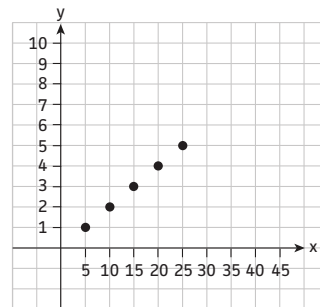Constant of Proportionality (k) = _____

Equation: _____

3.

Constant of Proportionality (k) = _____

Equation: _____

4.

Constant of Proportionality (k) = _____

Equation: _____

5.

$y = \dfrac{63}{100}x$

Constant of Proportionality (k) = _____

6.

$y = 23x$

Constant of Proportionality (k) = _____

EXTENSION: Pick one of the equations above and explain what it could represent in words. *For example*, $y = 23x$ could represent the total amount of money I made (y) when I got paid \$23 per hour and I worked x hours.