**Constant of Proportionality of Tables and Equations**

**Tell if the following are proportional and explain why. If they are proportional give the constant of proportionality.**

**1). X Y 2). X Y 3). X Y**

 **0 4 2 6 -1 -4**

 **1 6 3 9 4 16**

 **2 8 4 12 7 28**

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**4). Y= 3X - 2 5). Y = 0.25X 6). Y = X + 5**

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**6). Jim bought a pay as you go phone. He is charged 10 cents per minute. Write an equation where X is how many minutes and Y is the cost for the minutes he used. What is the constant of proportionality?**

**Equation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Constant of Proportionality \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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