1.) **Direct Variation Equations** **This Equation has a constant which means it**

**CAN'T be written as y = kx**

$\frac{y}{x}=k$ **or** $y=kx$

Is each equation direct variation?

If yes, find the variation constant.

a.) b.)

2.) Does each equation represent a direct variation?

1. 2.

3. 4.

3.) Given the table shows a direct variation relationship, find the value of ?.

|  |  |
| --- | --- |
| **X** | **Y** |
|  |  |
|  |  |
|  |  |
|  |  |

The data below comes from a direct variation relationship.

|  |  |
| --- | --- |
| **X** | **Y** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

1.) Write a direct variation equation.

2.) Find x when y = \_\_\_\_\_\_\_\_

3.) Find y when x = \_\_\_\_\_\_\_\_

The given point is part of a direct variation relationship. Write an equation for each direct variation relationship.

4.) 5.)

The given point is part of a direct variation relationship. Write an equation for each direct variation relationship, then find the missing value.

6.) 7.)

Remember the phrase: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The number of tires a company can make varies directly

with the number of employees at work that day. One a

recent day the company had 32 workers present and

they produced 776 tires.

1.) 2.)

3.)

The amount of money raised varies directly with the number

of people who contribute. $1746 was raised when 24 people contributed.

1.)

2.)

The amount of spaghetti required for a meal varies directly

with the number of people that are served.

 1.)

 2.)

The point (-4, 7) is on the graph of a direct variation relationship. Write the equation for this direct variation.