

MasterMath

Inverse Variation

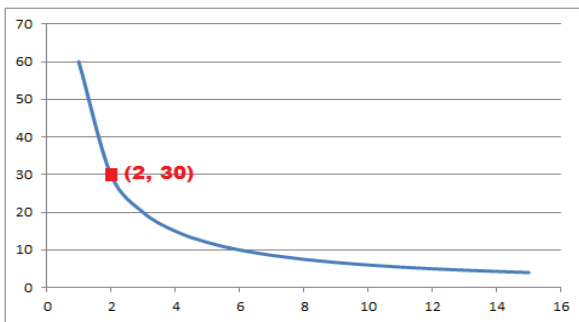
Name _____
Date _____

1. **Are these Direct Variations, Inverse Variations or neither?**

equation	Direct, Inverse or neither
$a = b/5$	
$z = 6/a$	
$3x + 5 = y/2$	
$x = 122/y$	
$3y = 18/2x$	
$v = z/12$	

equation	Direct, Inverse or neither
$15 = xy$	
$5y/2 = 16/x$	
$y - x = 0$	
$5y = x$	
$y - 6 = 22/x$	
$32y = 64/x$	

2. **This graph shows an Inverse Variation. Create an equation that relates y and x.**



3. **Do x and y have a Direct Variation, or an Indirect Variation?**

x	16	32	28	400
y	4	8	7	100

4. **Do x and y have a Direct Variation, or an Indirect Variation?**

x	16	8	4	2
y	4	8	16	32

5. **Write an equation that describes this Inverse Variation**

x	45.0	22.5	15.0	11.25
y	1	2	3	4

6. **I could arrange these cubes in several ways and still have a rectangle. In the picture they are arrange so that there are 2 rows and 3 columns. Think of other ways you could arrange the cubes and still have a rectangle. Is the relationship between the number of rows and the number of columns Direct or Inverse?**

