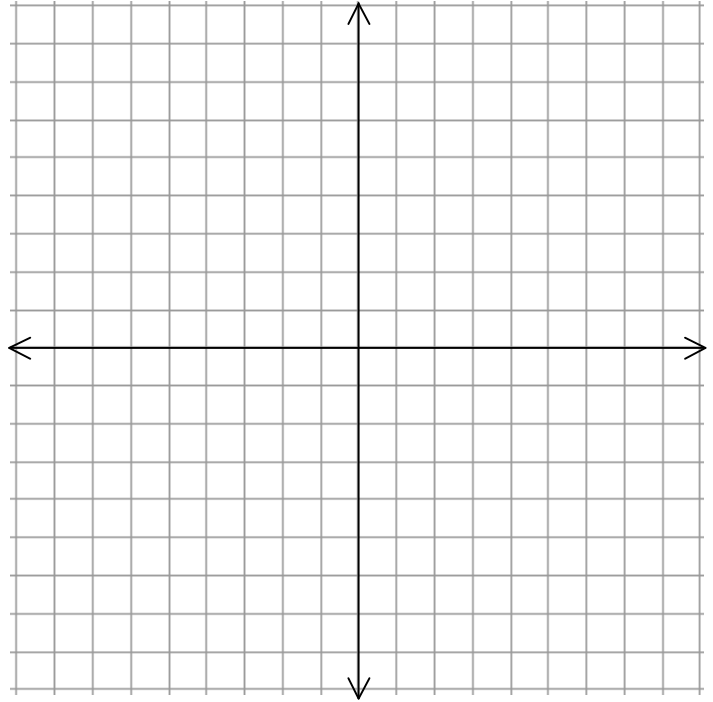


Inverse Variation

1. Complete the table of values to graph $xy = 8$.

x	y
-8	
-4	
-2	
-1	
0	
1	
2	
4	
8	



Domain: _____ Range: _____ Is it a function? _____

2. A car travels 100 miles to Albany and R represents the rate of the car, in miles per hour, and T represents the time, in hours. Complete the chart:

T	1	2	4	5	
R					40

3. If y varies inversely as x and $y = 2$ when $x = 6$,
- What is the value of y when $x = 4$?
 - What is the constant of variation?
4. If 4 workers can complete a job in 10 days, then how many workers are needed to complete the job in 8 days?
5. Boyle's Law states that the pressure of compressed gas is inversely proportional to its volume. The pressure of a certain sample of a gas is 16 kilopascals when its volume is 1,800 liters. What is the pressure, in kilopascals, when its volume is 900 liters?