

	Relationship	Initial Values	Initial Equation	Substitution	Constant of proportionality	Final equation	When $x = 10$	When $y = 10$
a	$y$ is inversely proportional to $x$	When: $x = 8, y = 0.75$						
b	$y$ is directly proportional to $x^3$	When: $x = 12, y = 13824$						
c	$y$ is inversely proportional to $x$	When: $x = 1, y = 0.2$						
d	$y$ is directly proportional to $x$	When: $x = 4, y = 8$						
e	$y$ is directly proportional to $x^3$	When: $x = 15, y = 5062.5$						
f	$y$ is directly proportional to $x^2$	When: $x = 2, y = 8$						
g	$y$ is directly proportional to $x^2$	When: $x = 3, y = 14.4$						
h	$y$ is directly proportional to $x^2$	When: $x = 6, y = 14.4$						
i	$y$ is directly proportional to $x^3$	When: $x = 4, y = 288$						
j	$y$ is directly proportional to $x^2$	When: $x = 4, y = 80$						
k	$y$ is directly proportional to $x^2$	When: $x = 1, y = 6$						
l	$y$ is directly proportional to $x^3$	When: $x = 3, y = 2.7$						
m	$y$ is directly proportional to $x^3$	When: $x = 3, y = 2.7$						
n	$y$ is directly proportional to $x^3$	When: $x = 12, y = 864$						
o	$y$ is directly proportional to $x$	When: $x = 14, y = 21$						