Input our	Deper	endent/Independent)		
Independent and Depend		Name		
Explore		DatePeriod	•	
dependent relationship.)	candle depends on (i	is a function of) the number of second	<u>1s</u>	
2. My grades	depend	ds on how much I study or practice.		
3. The money I earn depends on how much I work.				
4. My mood is a function of (depends on) food, how much I slept				
and the same of th	depends on	tional relationship shown on the graph # OF hours Studying Is on the X-OXIS		
	ent variable is always			
Del	Test Score			
	60			
	20 2 3	Number of Agurs studying	,	
What is the domain?	0 < 1 <	8		
What is the range?	0445	100		

IV-independent scripble by-agendent sawable

Tables

6. The table below represents the relationship between the cost of hiring a taxi and the number of miles driven by the taxi cab driver. What is the independent quantity?

$\mathcal{L}_{\mathcal{A}}$	() v
Number of Miles	Cost of Taxi Fare
. 5	4
7	5.50
10	7.75
13	10
16	12.25
20	15.25

Mumber Mileo

Word Problems

7. The temperature of the atmosphere decreases about 5 degrees Fahrenheit for every 1000 feet increase in altitude. This relationship can be represented as t = -0.005h + 77 where t is the temperature at an altitude of h feet. What is the dependent quantity in this relationship?

temperature DV) FV-altitude

Definitions:
Independent: O'CSnt rely on anything

Independent Variable: Input of a function

Couse

Variable that you have Most control of

Dependent: also rely on something else

Dependent Variable: Output of a function

Effect

Yariable that you have the least control

Variable that you have the least control

O'Ariable that you have the least control

depends on ________is function of ______