

Name: _____

Date: _____

TAKS: Setting the Table Student Worksheet

How do you begin when you have a table of values and you need to find the function to fit? Do I just use the calculator to check all the answer choices or is there something that is less work?

Look at the question below and decide how you can use what you know to find the solution.

48 The table shows values for the independent and dependent quantities in a functional relationship.

Independent Quantity	Dependent Quantity
0	8
1	7
2	6
3	5
4	4

Which function best represents this relationship?

F $f(x) = x + 8$

G $f(x) = x - 8$

H $f(x) = 8 - x$

J $f(x) = -8 - x$

What do you notice about the independent quantities and the dependent quantities?

How can you use the table on your calculator to find the answer?

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Look at the problem below. Is there a way you can find the answer to the question using the home screen? Is this the most efficient way to use the home screen?

31 Which equation best describes the relationship between x and y shown in the table below?

x	y
1	3
2	12
4	48
6	108
9	243

A $y = 3x$

B $x = 3y$

C $x = 3y^2$

D $y = 3x^2$

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Use the way that is easiest for you to work the question below.

40. Casey conducted an experiment and recorded the data in the table shown below.

x	y
1	1
2	2
3	5
4	10

Which equation best describes these data?

F $y = x$

G $y = 2x - 1$

H $y = x^2 + x - 1$

J $y = (x - 1)^2 + 1$