Identify the Independent Variable in Each of the following Situations.

- \mathcal{L} . An automobile tire loses t milliliters of tread traveling m miles.
- 2. An object falls *d* meters in *t* seconds.
- 3. An athlete runs m miles and burns c calories.
- 4. A garden hose runs for m minutes and produces g gallons of water.

Identify the Dependent Variable in Each of the following Situations.

- 1. A tree trunk has r rings after growing for y years.
- 2. The number of links in a chain and the length of the chain.
- 3. You spend c dollars on t number of T-shirts.
- 4. The number of eggs e in the carton and the total cost t of the eggs.

Determine the Relationship Suggested by the Table

	ж	1	3	5	7	9	11
ſ	У	15	17	19	21	23	25

- A. Add 15 to x to find y
- B. Add 14 to x to find y
- C. Triple x to find y
- D. Subtract 14 from x to find y

х	2	5	8	10	11	15
У	6	15	24	30	33	45

- A. Add 3 to x to find y
- B. Divide x by 3 to find y
- C. Triple x to find y
- D. Subtract 10 from x to find y

	E.	0	5	7	17	23	30
3	7	13	18	20			

ж	14	22	26	30	44	58
У	7	15	19			

- A. Each value of y is 13 times bigger than x
- B. Each value of y is 13 bigger than x
- C. Each value of y is 13 smaller than x
- D. Each value of y is 13 divided by x

- A. Divide x by 2 to get y
- B. Multiply x by 2 to find y
- C. Add 7 to x to find y
- D. Subtract 7 from x to find y

Write an equation that represents the relationship between the two variables

1.	ж	1	3	5	8	11	13
	У	17	19	21	24	27	29

2.	x	0	2	5	6	8	9
	У	0	4	10	12	16	18

3.	Wreaths Sold (w)	Dollars Made (<i>d</i>)
	1	8
	3	24
	5	40
:	6	48
	7	56

Minutes in Refrigerator (m)	Temperature of Drink in °C (t)
4	11
6	9
8	7
10	5
11	4

5.	Jet Travel Hours (h)	Jet Travel Miles (m)		
	1	480		
	2	960		
	3	1,440		
	4	1,920		
	5	2,400		

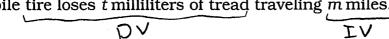
Write and equation that represents the following situations

- 6. You open a bank account and deposit \$10. Every month you deposit \$25 dollars. Let T represent the total money in your account after m months.
- 7. A real estate agent earns \$32,000 a year plus \$1,000 for each apartment he sells. Write an equation that shows the relationship between the number of apartments Abe sells, n, and the total amount he earns in a year, E.

What is the total amount Abe would earn from selling 10 apartments in one year?

Identify the Independent Variable in Each of the following Situations.

 \mathcal{L} . An automobile tire loses t milliliters of tread traveling m miles.



- 2. An object falls d meters in t seconds.
- 3. An athlete runs m miles and burns c calories.
- 4. A garden hose runs for m minutes and produces g gallons of water.

Identify the Dependent Variable in Each of the following Situations.

1. A tree trunk has r rings after growing for y years.



2. The number of links in a chain and the length of the chain.

3. You spend c dollars on t number of T-shirts.

4. The number of eggs e in the carton and the total cost t of the eggs.

IV

Determine the Relationship Suggested by the Table

x	1	3	5	7	9	11
У	15	17	19	21	23	25

- A. Add 15 to x to find y
- (B)Add 14 to x to find y
- C. Triple *x* to find *y*
- D. Subtract 14 from x to find y

ж	2	5	8	10	11	15
У	6	15	24	30	33	45

- A. Add 3 to x to find y
- B. Divide x by 3 to find y
- \bigcirc Triple x to find y
 - D. Subtract 10 from x to find y

ж	0	5	7	17	23	30
У	13	18	20	36	36	43

- A. Each value of y is 13 times bigger than x
- (B)Each value of y is 13 bigger than x
- C. Each value of y is 13 smaller than x
- D. Each value of y is 13 divided by x

х	14	22	26	30	44	58
У	7	15	19	23	37	51

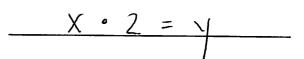
- A. Divide x by 2 to get y
- B. Multiply x by 2 to find y
- C. Add 7 to x to find y
- (D)Subtract 7 from x to find y

Write an equation that represents the relationship between the two variables

1.	ж	1	3	5	8	11	13
	У	17	19	21	24	27	29

X	+	16	=	V	

2.	x	0	2	5	6	8	9
	У	0	4	10	12	16	18



3.	Wreaths Sold (w)	Dollars Made (<i>d</i>)
	1	8
	3	24
	5	40
	6	48
	7	56

(L)	6	8	=	λ
$-\omega$		0	_	α

4.	Minutes in Refrigerator (m)	Temperature of Drink in °C (t)
	4	11
	6	9
	8	7
	10	5
	11	4

$$15 - m = +$$

5.	Jet Travel Hours (h)	Jet Travel Miles (m)
	1	480
	2	960
	3	1,440
	4	1,920
	5	2,400

Write and equation that represents the following situations

6. You open a bank account and deposit \$10. Every month you deposit \$25 dollars. Let T represent the total money in your account after m months.

7. A real estate agent earns \$32,000 a year plus \$1,000 for each apartment he sells. Write an equation that shows the relationship between the number of apartments Abe sells, n, and the total amount he earns in a year, E.

What is the total amount Abe would earn from selling 10 apartments in one year?

$$32,000 + 1,000 \cdot 10 = E$$

$$32,000 + 10,000 = E$$