1. Is the following relation a function?

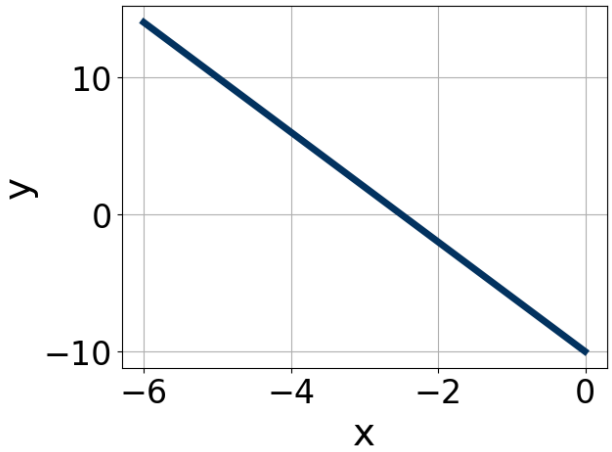
x	y
2	-20
3	-45
4	-80
5	-80
4	20
3	45
2	80

A. Yes

B. No

---

2. Is the graph below a linear function?



A. Yes, the graph is linear

B. No, the graph is not linear.

---

3. Is the following relation a linear function?

x	y
4	-64
5	-100
6	-144
7	-196
8	196
7	64
6	100

A. Yes

B. No

---

4. Is the equation below a linear function?

$$f(x) = -5(x - 4) + 1$$

A. Yes, the equation is linear

B. No, the equation is not linear.

---

5. Is the following relation a function?

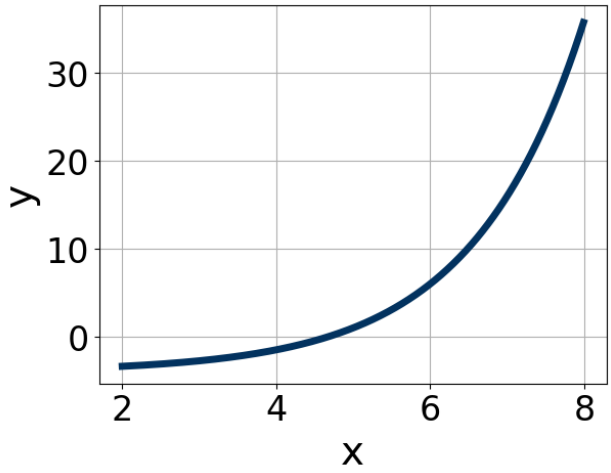
x	y
0	0
1	1
2	2
3	3
4	4
5	5
6	6

A. Yes

B. No

---

6. Is the graph below a linear function?



A. Yes, the graph is linear

B. No, the graph is not linear.

---

7. Is the following relation a linear function?

x	y
2	12
3	27
4	48
5	75
6	-75
5	-12
4	-27

A. Yes

B. No

---

8. Is the equation below a linear function?

$$f(x) = 4(x + 1) + 3$$

A. Yes, the equation is linear

B. No, the equation is not linear.

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9. Is the following relation a function?

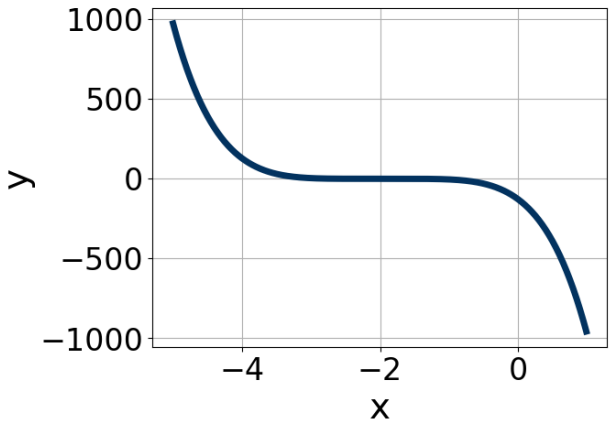
$$(1, 4.0), (2, 5.66), (3, 6.93), (4, 8.0), (5, 8.94), (6, 9.8), (7, 10.58)$$

A. Yes

B. No

---

10. Is the graph below a linear function?



A. Yes, the graph is linear

B. No, the graph is not linear.

---

11. Is the following relation a linear function?

x	y
2	11
3	18
4	25
5	32
6	39
7	46
8	53

A. Yes

B. No

---

12. Is the equation below a linear function?

$$f(x) = -5(x + 1) + 2$$

A. Yes, the equation is linear

B. No, the equation is not linear.
