



Determine if the table shown represents a linear function (yes) or not (no).

Answers

1) $Y = \frac{X}{5}$

X	Y
-1	-0.200
-2	-0.400
-5	-1
-7	-1.400
5	1

2) $Y = \sqrt{X} + 4$

X	Y
0	4
2	5.414
3	5.732
4	6
8	6.828

3) $Y = -X \times 2$

X	Y
-2	4
1	-2
7	-14
8	-16
9	-18

4) $Y = 3 \times X - (X + 8)$

X	Y
-1	-10
-2	-12
-4	-16
-5	-18
-6	-20

5) $Y = 2 + X$

X	Y
-7	-5
2	4
3	5
6	8
8	10

6) $Y = \sqrt{X-4}$

X	Y
4	0.000
5	1.000
7	1.732
8	2.000
9	2.236

7) $Y = \sqrt{X^2 - 9}$

X	Y
-6	5.196
-8	7.416
-9	8.485
4	2.646
6	5.196

8) $Y = -X - 8$

X	Y
-1	-7
-3	-5
-7	-1
-9	1
8	-16

9) $Y = X^2$

X	Y
-5	25
1	1
2	4
3	9
8	64

10) $Y = \sqrt{X+8}$

X	Y
-3	2.236
10	4.242
1	3.000
2	3.162
6	3.741

11) $Y = 2^X + 9$

X	Y
-2	9.250
-8	9.004
3	17
5	41
8	265

12) $Y = 3 + \frac{X}{9}$

X	Y
-10	1.889
-4	2.556
1	3.111
4	3.444
5	3.556

1. _____

2. _____

3. _____

4. _____

5. _____

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Answers1. **yes**2. **no**3. **yes**4. **yes**5. **yes**6. **no**7. **no**8. **yes**9. **no**10. **no**11. **no**12. **yes**