



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

Answers

1) $Y = \frac{X}{2}$

X	Y
-2	-1
-9	-4.500
2	1
3	1.500
4	2

2) $Y = -X - 5$

X	Y
-3	-2
-5	0
0	-5
2	-7
5	-10

3) $Y = X - 9$

X	Y
-4	-13
-7	-16
-9	-18
2	-7
9	0

4) $Y = 4^X + 6$

X	Y
-1	6.250
-7	61.000
3	70
6	4,102
9	262,150

5) $Y = 8 \times X + 4^2$

X	Y
-2	0
-3	-8
0	16
4	48
6	64

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

X	Y
-6	1.414
-8	0.000
0	2.828
5	3.605
7	3.872

7) $Y = X^2 - 4$

X	Y
-3	5
-4	12
-5	21
-7	45
9	77

8) $Y = \sqrt{X^2 - 5}$

X	Y
-3	2.000
-6	5.568
-7	6.633
-9	8.718
8	7.681

9) $Y = \sqrt{X}$

X	Y
10	3.162
2	1.414
4	2.000
5	2.236
8	2.828

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

X	Y
-10	5.667
-8	6.333
3	10
4	10.333
9	12

11) $Y = X + 6$

X	Y
-10	-4
-3	3
-8	-2
2	8
4	10

12) $Y = X^2$

X	Y
-10	100
-3	9
-5	25
1	1
7	49

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____



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