



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

Answers

1)  $Y = -X$

X	Y
-3	3
-6	6
4	-4
6	-6
8	-8

2)  $Y = \sqrt{X}$

X	Y
10	3.162
1	1.000
3	1.732
4	2.000
8	2.828

3)  $Y = 3 \times X - (X + 6)$

X	Y
-6	-18
-7	-20
-9	-24
0	-6
5	4

4)  $Y = \frac{X}{4} \times 5$

X	Y
-2	-2.500
-4	-5
0	0
1	1.250
8	10

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

X	Y
-10	10.000
-8	8.000
2	2.000
5	5.000
8	8.000

6)  $Y = -X + 6$

X	Y
-4	10
2	4
4	2
6	0
7	-1

7)  $Y = -X^2$

X	Y
-3	-9
-8	-64
4	-16
5	-25
6	-36

8)  $Y = \sqrt{2 \times X}$

X	Y
3	2.449
5	3.162
6	3.464
7	3.741
9	4.242

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

X	Y
-10	-3.333
-1	-0.333
-4	-1.333
0	0
3	1

10)  $Y = 8 + X$

X	Y
-5	3
-7	1
0	8
7	15
8	16

11)  $Y = 4 - X$

X	Y
-1	5
-3	7
-7	11
-9	13
1	3

12)  $Y = X^2 - 9$

X	Y
-8	55
0	-9
1	-8
3	0
7	40

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
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7	40

Answers1. yes2. no3. yes4. yes5. no6. yes7. no8. no9. yes10. yes11. yes12. no