



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

Answers

1)

$$Y = \sqrt{X^2 - 3}$$

X	Y
-2	1.000
-8	7.810
3	2.449
6	5.745
8	7.810

2)

$$Y = -X + 6$$

X	Y
-2	8
-3	9
5	1
6	0
7	-1

3)

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

X	Y
-2	2.000
-7	7.000
1	1.000
6	6.000
9	9.000

4)

$$Y = 7 \times X + 8^2$$

X	Y
-10	-6
-1	57
-2	50
-5	29
-8	8

5)

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

X	Y
-3	1.414
-4	3.000
-6	5.385
-7	6.481
-9	8.602

6)

$$Y = -X^2$$

X	Y
-3	-9
-6	-36
-8	-64
3	-9
6	-36

7)

$$Y = X^2 + 5$$

X	Y
-10	105
-7	54
-9	86
3	14
6	41

8)

$$Y = \sqrt{X + 9}$$

X	Y
-4	2.236
-5	2.000
-6	1.732
-9	0.000
10	4.358

9)

$$Y = 4 \times X - (X \times -1)$$

X	Y
-2	-10
-9	-45
1	5
3	15
8	40

10)

$$Y = \sqrt{X}$$

X	Y
0	0.000
10	3.162
4	2.000
5	2.236
8	2.828

11)

$$Y = 3 + X$$

X	Y
-10	-7
-2	1
0	3
4	7
8	11

12)

$$Y = X - 2$$

X	Y
-3	-5
-4	-6
-8	-10
3	1
5	3

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



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