



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

Answers

1)  $Y = \sqrt{4 \times X}$

X	Y
1	2.000
2	2.828
5	4.472
7	5.291
8	5.656

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

X	Y
-1	-0.111
-2	-0.222
-3	-0.333
3	0.333
4	0.444

3)  $Y = 2 + X$

X	Y
-3	-1
2	4
5	7
7	9
8	10

4)  $Y = X^2$

X	Y
-7	49
-8	64
1	1
2	4
5	25

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

X	Y
-2	2.000
-3	1.732
3	3.000
5	3.316
8	3.741

6)  $Y = 7 \times X - (X+5)$

X	Y
-8	-53
0	-5
4	19
5	25
9	49

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

X	Y
-1	1.000
-5	5.000
0	0.000
7	7.000
8	8.000

8)  $Y = -X^2$

X	Y
-5	-25
-7	-49
-9	-81
1	-1
7	-49

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

X	Y
-1	1.000
-5	5.000
-7	7.000
1	1.000
3	3.000

10)  $Y = 9^X + 9$

X	Y
-3	9.001
-5	17,000.000
1	18
2	90
9	387,420,498

11)  $Y = X + 9$

X	Y
-2	7
-4	5
-9	0
0	9
8	17

12)  $Y = 3 \times X - (X \times -1)$

X	Y
-1	-4
-6	-24
3	12
8	32
9	36

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

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9	36

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