



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

Answers

1) $Y = \sqrt{X} + 7$

X	Y
0	7
3	8.732
4	9
7	9.645
8	9.828

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

X	Y
-2	2.000
-3	3.000
-4	4.000
-7	7.000
3	3.000

3) $Y = 9 + \frac{X}{6}$

X	Y
-3	8.500
-4	8.333
-5	8.167
4	9.667
5	9.833

4) $Y = -X^2$

X	Y
-6	-36
0	0
1	-1
5	-25
7	-49

5) $Y = 6^X + 2$

X	Y
-6	0.002
-7	0.000
-8	0.000
1	8
4	1,298

6) $Y = 4 + X$

X	Y
-2	2
-8	-4
1	5
2	6
9	13

7) $Y = -X$

X	Y
-6	6
-8	8
2	-2
3	-3
7	-7

8) $Y = \sqrt{X}$

X	Y
0	0.000
10	3.162
2	1.414
7	2.645
8	2.828

9) $Y = X^2$

X	Y
3	9
4	16
6	36
7	49
8	64

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

X	Y
-3	-1
-5	-1.667
-6	-2
-8	-2.667
1	0.333

11) $Y = \sqrt{X \times 3}$

X	Y
0	0.000
10	5.477
3	3.000
5	3.872
7	4.582

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

X	Y
-10	-40
-8	-32
-9	-36
1	4
9	36

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
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9	36

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