



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

Answers

1) $Y = \sqrt{X-2}$

X	Y
2	0.000
3	1.000
4	1.414
8	2.449
9	2.645

2) $Y = \frac{X}{7} \times 4$

X	Y
-3	-1.714
-4	-2.286
-8	-4.571
1	0.571
6	3.429

3) $Y = 3 + X$

X	Y
-4	-1
-6	-3
3	6
4	7
6	9

4) $Y = -X - 5$

X	Y
-1	-4
-4	-1
-7	2
6	-11
7	-12

5) $Y = X - 2$

X	Y
-4	-6
1	-1
2	0
7	5
8	6

6) $Y = 2 \times X - (X + 6)$

X	Y
-1	-7
-6	-12
-9	-15
5	-1
7	1

7) $Y = X^2 + 4$

X	Y
-10	104
-4	20
-5	29
-9	85
7	53

8) $Y = -X$

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

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

X	Y
-6	5.385
-8	7.550
-9	8.602
3	1.414
5	4.243

10) $Y = \sqrt{X}$

X	Y
10	3.162
3	1.732
4	2.000
6	2.449
8	2.828

11) $Y = 6 \times X + 6^2$

X	Y
-10	-24
-4	12
0	36
1	42
3	54

12) $Y = 2 - X$

X	Y
-10	12
-1	3
-4	6
-9	11
2	0

1. _____
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3. _____
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5. _____
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X	Y
-10	12
-1	3
-4	6
-9	11
2	0

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