



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. \_\_\_\_\_
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X	Y
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-4	-6
-8	-10
3	1
5	3

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