



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

**Answers**

1)  $Y = \frac{X}{5} \times 5$

X	Y
-6	-6
-7	-7
3	3
5	5
7	7

2)  $Y = 5^x + 7$

X	Y
-5	7.000
-6	640.000
4	632
5	3,132
7	78,132

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

X	Y
-4	4.000
-7	7.000
-8	8.000
7	7.000
9	9.000

4)  $Y = -X^2$

X	Y
-3	-9
-6	-36
-8	-64
-9	-81
8	-64

5)  $Y = -X - 6$

X	Y
-1	-5
-5	-1
-8	2
4	-10
8	-14

6)  $Y = \sqrt{X \times 7}$

X	Y
10	8.366
1	2.645
3	4.582
5	5.916
8	7.483

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

X	Y
0	6
2	7.414
3	7.732
8	8.828
9	9

8)  $Y = \sqrt{2 \times X}$

X	Y
2	2.000
6	3.464
7	3.741
8	4.000
9	4.242

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

X	Y
-10	9.644
-8	7.550
10	9.644
5	4.243
9	8.602

10)  $Y = -X$

X	Y
-1	1
-2	2
-4	4
-7	7
0	0

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

X	Y
-2	-0.222
-3	-0.333
6	0.667
7	0.778
8	0.889

12)  $Y = -X + 3$

X	Y
-2	5
-4	7
3	0
6	-3
8	-5

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
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8	-5

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