



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

Answers

1)  $Y=X^2+8$

X	Y
-4	24
-6	44
5	33
8	72
9	89

2)  $Y=X^2-7$

X	Y
-5	18
-7	42
-8	57
3	2
9	74

3)  $Y=5 \times X - (X \times -1)$

X	Y
-1	-6
-5	-30
-6	-36
-9	-54
7	42

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

X	Y
-10	9.899
-6	5.831
3	2.646
8	7.874
9	8.888

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

X	Y
-5	5.000
-6	6.000
5	5.000
6	6.000
8	8.000

6)  $Y=-X-4$

X	Y
-1	-3
-3	-1
-5	1
-7	3
2	-6

7)  $Y=-X^2$

X	Y
-2	-4
-5	-25
-8	-64
0	0
6	-36

8)  $Y=\sqrt{X}$

X	Y
2	1.414
3	1.732
4	2.000
7	2.645
8	2.828

9)  $Y=5 \times X + 4^2$

X	Y
-2	6
-7	-19
-9	-29
3	31
6	46

10)  $Y = \frac{X}{8} \times 2$

X	Y
-10	-2.500
-1	-0.250
-5	-1.250
-7	-1.750
5	1.250

11)  $Y=7 \times X - (X+4)$

X	Y
-2	-16
-4	-28
-9	-58
5	26
9	50

12)  $Y=X+6$

X	Y
-6	0
-8	-2
7	13
8	14
9	15

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

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

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

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

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

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

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

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

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9	15

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