



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. _____
9. _____
10. _____
11. _____
12. _____



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