



Identify Linear Functions (Table)

Name: _____

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

Answers

1)

$Y = \sqrt{X^2 - 8}$	
X	Y
3	1.000
4	2.828
5	4.123
8	7.483
9	8.544

2)

$Y = X + 2$	
X	Y
-7	-5
-8	-6
0	2
3	5
4	6

3)

$Y = \sqrt{X - 6}$	
X	Y
10	2.000
6	0.000
7	1.000
8	1.414
9	1.732

4)

$Y = -X \times 5$	
X	Y
-5	25
-8	40
0	0
5	-25
8	-40

5)

$Y = X - 8$	
X	Y
-3	-11
0	-8
4	-4
5	-3
7	-1

6)

$Y = 5 \times X + 5^2$	
X	Y
-10	-25
-5	0
0	25
5	50
8	65

7)

$Y = X / 5 \times 3$	
X	Y
-3	-1.800
-6	-3.600
-7	-4.200
4	2.400
6	3.600

8)

$Y = \sqrt{4 \times X}$	
X	Y
10	6.324
3	3.464
4	4.000
7	5.291
8	5.656

9)

$Y = X / 8$	
X	Y
-2	-0.250
-3	-0.375
-8	-1
6	0.750
7	0.875

10)

$Y = 3^X + 6$	
X	Y
-1	6.333
-3	6.037
-5	6.004
3	33
9	19,689

11)

$Y = -X + 4$	
X	Y
-10	14
-3	7
-8	12
4	0
5	-1

12)

$Y = \sqrt{X + 8}$	
X	Y
-4	2.000
10	4.242
1	3.000
2	3.162
9	4.123

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____



Identify Linear Functions (Table)

Name: **Answer Key**

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

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