



Identify Linear Functions (Table)

Name: _____

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

Answers

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

X	Y
1	8
3	8.732
4	9
6	9.449
7	9.645

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

X	Y
-5	5.000
-8	8.000
-9	9.000
5	5.000
6	6.000

3) $Y = -X - 6$

X	Y
-1	-5
-3	-3
-6	0
-9	3
3	-9

4) $Y = 4 \times X - (X \times -1)$

X	Y
-1	-5
-3	-15
-5	-25
3	15
7	35

5) $Y = \sqrt{9 \times X}$

X	Y
0	0.000
10	9.486
1	3.000
3	5.196
9	9.000

6) $Y = 8 + \frac{X}{8}$

X	Y
-1	7.875
-6	7.250
0	8
5	8.625
6	8.750

7) $Y = -X$

X	Y
-6	6
-9	9
0	0
1	-1
6	-6

8) $Y = -X + 5$

X	Y
-10	15
-1	6
-8	13
-9	14
9	-4

9) $Y = \frac{X}{8} \times 7$

X	Y
-1	-0.875
-2	-1.750
-4	-3.500
0	0
3	2.625

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

X	Y
-5	-20
-7	-38
1	34
6	79
7	88

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

X	Y
10	9.899
3	2.646
5	4.796
6	5.831
9	8.888

12) $Y = \sqrt{X - 6}$

X	Y
10	2.000
6	0.000
7	1.000
8	1.414
9	1.732

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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X	Y
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6	0.000
7	1.000
8	1.414
9	1.732

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