



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. \_\_\_\_\_

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

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

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_



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X	Y
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9	74

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-6	6.000
5	5.000
6	6.000
8	8.000

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-5	1
-7	3
2	-6

7)  $Y = -X^2$

X	Y
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-8	-64
0	0
6	-36

8)  $Y = \sqrt{X}$

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

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

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-10	-2.500
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-5	-1.250
-7	-1.750
5	1.250

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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

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



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

Answers

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

X	Y
-1	-0.200
-2	-0.400
-5	-1
-7	-1.400
5	1

2)  $Y = \sqrt{X} + 4$

X	Y
0	4
2	5.414
3	5.732
4	6
8	6.828

3)  $Y = -X \times 2$

X	Y
-2	4
1	-2
7	-14
8	-16
9	-18

4)  $Y = 3 \times X - (X + 8)$

X	Y
-1	-10
-2	-12
-4	-16
-5	-18
-6	-20

5)  $Y = 2 + X$

X	Y
-7	-5
2	4
3	5
6	8
8	10

6)  $Y = \sqrt{X-4}$

X	Y
4	0.000
5	1.000
7	1.732
8	2.000
9	2.236

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

X	Y
-6	5.196
-8	7.416
-9	8.485
4	2.646
6	5.196

8)  $Y = -X - 8$

X	Y
-1	-7
-3	-5
-7	-1
-9	1
8	-16

9)  $Y = X^2$

X	Y
-5	25
1	1
2	4
3	9
8	64

10)  $Y = \sqrt{X+8}$

X	Y
-3	2.236
10	4.242
1	3.000
2	3.162
6	3.741

11)  $Y = 2^X + 9$

X	Y
-2	9.250
-8	9.004
3	17
5	41
8	265

12)  $Y = 3 + \frac{X}{9}$

X	Y
-10	1.889
-4	2.556
1	3.111
4	3.444
5	3.556

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

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

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

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

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

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

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

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

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_



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

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

X	Y
-1	-0.200
-2	-0.400
-5	-1
-7	-1.400
5	1

2)  $Y = \sqrt{X} + 4$

X	Y
0	4
2	5.414
3	5.732
4	6
8	6.828

3)  $Y = -X \times 2$

X	Y
-2	4
1	-2
7	-14
8	-16
9	-18

4)  $Y = 3 \times X - (X + 8)$

X	Y
-1	-10
-2	-12
-4	-16
-5	-18
-6	-20

5)  $Y = 2 + X$

X	Y
-7	-5
2	4
3	5
6	8
8	10

6)  $Y = \sqrt{X-4}$

X	Y
4	0.000
5	1.000
7	1.732
8	2.000
9	2.236

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

X	Y
-6	5.196
-8	7.416
-9	8.485
4	2.646
6	5.196

8)  $Y = -X - 8$

X	Y
-1	-7
-3	-5
-7	-1
-9	1
8	-16

9)  $Y = X^2$

X	Y
-5	25
1	1
2	4
3	9
8	64

10)  $Y = \sqrt{X+8}$

X	Y
-3	2.236
10	4.242
1	3.000
2	3.162
6	3.741

11)  $Y = 2^X + 9$

X	Y
-2	9.250
-8	9.004
3	17
5	41
8	265

12)  $Y = 3 + \frac{X}{9}$

X	Y
-10	1.889
-4	2.556
1	3.111
4	3.444
5	3.556

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



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

Answers

1)  $Y = \sqrt{X-2}$

X	Y
2	0.000
3	1.000
4	1.414
8	2.449
9	2.645

2)  $Y = \frac{X}{7} \times 4$

X	Y
-3	-1.714
-4	-2.286
-8	-4.571
1	0.571
6	3.429

3)  $Y = 3 + X$

X	Y
-4	-1
-6	-3
3	6
4	7
6	9

4)  $Y = -X - 5$

X	Y
-1	-4
-4	-1
-7	2
6	-11
7	-12

5)  $Y = X - 2$

X	Y
-4	-6
1	-1
2	0
7	5
8	6

6)  $Y = 2 \times X - (X + 6)$

X	Y
-1	-7
-6	-12
-9	-15
5	-1
7	1

7)  $Y = X^2 + 4$

X	Y
-10	104
-4	20
-5	29
-9	85
7	53

8)  $Y = -X$

X	Y
-10	10
-4	4
1	-1
6	-6
8	-8

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

X	Y
-6	5.385
-8	7.550
-9	8.602
3	1.414
5	4.243

10)  $Y = \sqrt{X}$

X	Y
10	3.162
3	1.732
4	2.000
6	2.449
8	2.828

11)  $Y = 6 \times X + 6^2$

X	Y
-10	-24
-4	12
0	36
1	42
3	54

12)  $Y = 2 - X$

X	Y
-10	12
-1	3
-4	6
-9	11
2	0

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

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

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

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

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

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

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

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

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_



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

1)  $Y = \sqrt{X-2}$

X	Y
2	0.000
3	1.000
4	1.414
8	2.449
9	2.645

2)  $Y = \frac{X}{7} \times 4$

X	Y
-3	-1.714
-4	-2.286
-8	-4.571
1	0.571
6	3.429

3)  $Y = 3 + X$

X	Y
-4	-1
-6	-3
3	6
4	7
6	9

4)  $Y = -X - 5$

X	Y
-1	-4
-4	-1
-7	2
6	-11
7	-12

5)  $Y = X - 2$

X	Y
-4	-6
1	-1
2	0
7	5
8	6

6)  $Y = 2 \times X - (X + 6)$

X	Y
-1	-7
-6	-12
-9	-15
5	-1
7	1

7)  $Y = X^2 + 4$

X	Y
-10	104
-4	20
-5	29
-9	85
7	53

8)  $Y = -X$

X	Y
-10	10
-4	4
1	-1
6	-6
8	-8

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

X	Y
-6	5.385
-8	7.550
-9	8.602
3	1.414
5	4.243

10)  $Y = \sqrt{X}$

X	Y
10	3.162
3	1.732
4	2.000
6	2.449
8	2.828

11)  $Y = 6 \times X + 6^2$

X	Y
-10	-24
-4	12
0	36
1	42
3	54

12)  $Y = 2 - X$

X	Y
-10	12
-1	3
-4	6
-9	11
2	0

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



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

Answers

1)  $Y=X^2+6$

X	Y
-2	10
-3	15
-4	22
-7	55
2	10

2)  $Y=\sqrt{X}$

X	Y
10	3.162
1	1.000
3	1.732
4	2.000
7	2.645

3)  $Y=6^X+4$

X	Y
-10	4
-5	4.000
-7	0.040
-9	4
7	279,940

4)  $Y=X^2$

X	Y
-10	100
-1	1
-5	25
2	4
5	25

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

X	Y
1	2.449
2	3.464
3	4.242
4	4.898
8	6.928

6)  $Y=2 \times X + 3^2$

X	Y
-1	7
-3	3
-5	-1
-8	-7
0	9

7)  $Y=X^2+3$

X	Y
-10	103
-4	19
0	3
2	7
3	12

8)  $Y=4 \times X - (X+4)$

X	Y
-1	-7
1	-1
3	5
4	8
7	17

9)  $Y=X+3$

X	Y
-10	-7
-5	-2
-7	-4
1	4
9	12

10)  $Y=X-7$

X	Y
-2	-9
-3	-10
2	-5
3	-4
9	2

11)  $Y=-X^2$

X	Y
-10	-100
-4	-16
-5	-25
-6	-36
6	-36

12)  $Y=9-X$

X	Y
-1	10
-5	14
3	6
5	4
6	3

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



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

1)  $Y=X^2+6$

X	Y
-2	10
-3	15
-4	22
-7	55
2	10

2)  $Y=\sqrt{X}$

X	Y
10	3.162
1	1.000
3	1.732
4	2.000
7	2.645

3)  $Y=6^X+4$

X	Y
-10	4
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-7	0.040
-9	4
7	279,940

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X	Y
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-1	1
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2	4
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6)  $Y=2 \times X + 3^2$

X	Y
-1	7
-3	3
-5	-1
-8	-7
0	9

7)  $Y=X^2+3$

X	Y
-10	103
-4	19
0	3
2	7
3	12

8)  $Y=4 \times X - (X+4)$

X	Y
-1	-7
1	-1
3	5
4	8
7	17

9)  $Y=X+3$

X	Y
-10	-7
-5	-2
-7	-4
1	4
9	12

10)  $Y=X-7$

X	Y
-2	-9
-3	-10
2	-5
3	-4
9	2

11)  $Y=-X^2$

X	Y
-10	-100
-4	-16
-5	-25
-6	-36
6	-36

12)  $Y=9-X$

X	Y
-1	10
-5	14
3	6
5	4
6	3

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





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

Answers

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

X	Y
0	7
3	8.732
4	9
7	9.645
8	9.828

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

X	Y
-2	2.000
-3	3.000
-4	4.000
-7	7.000
3	3.000

3)  $Y = 9 + \frac{X}{6}$

X	Y
-3	8.500
-4	8.333
-5	8.167
4	9.667
5	9.833

4)  $Y = -X^2$

X	Y
-6	-36
0	0
1	-1
5	-25
7	-49

5)  $Y = 6^X + 2$

X	Y
-6	0.002
-7	0.000
-8	0.000
1	8
4	1,298

6)  $Y = 4 + X$

X	Y
-2	2
-8	-4
1	5
2	6
9	13

7)  $Y = -X$

X	Y
-6	6
-8	8
2	-2
3	-3
7	-7

8)  $Y = \sqrt{X}$

X	Y
0	0.000
10	3.162
2	1.414
7	2.645
8	2.828

9)  $Y = X^2$

X	Y
3	9
4	16
6	36
7	49
8	64

10)  $Y = \frac{X}{3}$

X	Y
-3	-1
-5	-1.667
-6	-2
-8	-2.667
1	0.333

11)  $Y = \sqrt{X \times 3}$

X	Y
0	0.000
10	5.477
3	3.000
5	3.872
7	4.582

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

X	Y
-10	-40
-8	-32
-9	-36
1	4
9	36

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



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

1)

$Y = \sqrt{X} + 7$	
X	Y
0	7
3	8.732
4	9
7	9.645
8	9.828

2)

$Y = \sqrt{X^2}$	
X	Y
-2	2.000
-3	3.000
-4	4.000
-7	7.000
3	3.000

3)

$Y = 9 + \frac{X}{6}$	
X	Y
-3	8.500
-4	8.333
-5	8.167
4	9.667
5	9.833

4)

$Y = -X^2$	
X	Y
-6	-36
0	0
1	-1
5	-25
7	-49

5)

$Y = 6^X + 2$	
X	Y
-6	0.002
-7	0.000
-8	0.000
1	8
4	1,298

6)

$Y = 4 + X$	
X	Y
-2	2
-8	-4
1	5
2	6
9	13

7)

$Y = -X$	
X	Y
-6	6
-8	8
2	-2
3	-3
7	-7

8)

$Y = \sqrt{X}$	
X	Y
0	0.000
10	3.162
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8	2.828

9)

$Y = X^2$	
X	Y
3	9
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6	36
7	49
8	64

10)

$Y = \frac{X}{3}$	
X	Y
-3	-1
-5	-1.667
-6	-2
-8	-2.667
1	0.333

11)

$Y = \sqrt{X \times 3}$	
X	Y
0	0.000
10	5.477
3	3.000
5	3.872
7	4.582

12)

$Y = 3 \times X - (X \times -1)$	
X	Y
-10	-40
-8	-32
-9	-36
1	4
9	36

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



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

Answers

1)  $Y=4+\frac{X}{3}$

X	Y
-3	3
-6	2
0	4
4	5.333
9	7

2)  $Y=-X-6$

X	Y
-2	-4
-4	-2
-6	0
5	-11
8	-14

3)  $Y=\sqrt{X}$

X	Y
0	0.000
2	1.414
3	1.732
6	2.449
9	3.000

4)  $Y=\sqrt{X-9}$

X	Y
10	1.000
9	0.000

5)  $Y=-X+3$

X	Y
-5	8
0	3
2	1
5	-2
9	-6

6)  $Y=9 \times X - (X+7)$

X	Y
-1	-15
-5	-47
0	-7
4	25
9	65

7)  $Y=\frac{X}{3} \times 4$

X	Y
-1	-1.333
-3	-4
-5	-6.667
3	4
8	10.667

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

X	Y
10	7.071
2	3.162
3	3.872
7	5.916
9	6.708

9)  $Y=X^2+9$

X	Y
-1	10
-3	18
-6	45
-8	73
9	90

10)  $Y=6^X+5$

X	Y
-9	5
2	41
4	1,301
5	7,781
8	1,679,621

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

X	Y
-4	3.606
2	1.000
3	2.449
8	7.810
9	8.832

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

X	Y
-6	6.000
2	2.000
4	4.000
5	5.000
8	8.000

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



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

1)  $Y=4+\frac{X}{3}$

X	Y
-3	3
-6	2
0	4
4	5.333
9	7

2)  $Y=-X-6$

X	Y
-2	-4
-4	-2
-6	0
5	-11
8	-14

3)  $Y=\sqrt{X}$

X	Y
0	0.000
2	1.414
3	1.732
6	2.449
9	3.000

4)  $Y=\sqrt{X-9}$

X	Y
10	1.000
9	0.000

5)  $Y=-X+3$

X	Y
-5	8
0	3
2	1
5	-2
9	-6

6)  $Y=9 \times X - (X+7)$

X	Y
-1	-15
-5	-47
0	-7
4	25
9	65

7)  $Y=\frac{X}{3} \times 4$

X	Y
-1	-1.333
-3	-4
-5	-6.667
3	4
8	10.667

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

X	Y
10	7.071
2	3.162
3	3.872
7	5.916
9	6.708

9)  $Y=X^2+9$

X	Y
-1	10
-3	18
-6	45
-8	73
9	90

10)  $Y=6^x+5$

X	Y
-9	5
2	41
4	1,301
5	7,781
8	1,679,621

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

X	Y
-4	3.606
2	1.000
3	2.449
8	7.810
9	8.832

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

X	Y
-6	6.000
2	2.000
4	4.000
5	5.000
8	8.000

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



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. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_



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

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

Answers

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



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

**Answers**

1)  $Y=7^X+4$

X	Y
-10	4
-3	4.003
-6	0.080
3	347
7	823,547

2)  $Y=-X \times 9$

X	Y
-3	27
-9	81
0	0
3	-27
8	-72

3)  $Y=-X^2$

X	Y
-1	-1
-7	-49
-9	-81
2	-4
7	-49

4)  $Y=\frac{X}{7} \times 4$

X	Y
-1	-0.571
-2	-1.143
-3	-1.714
1	0.571
2	1.143

5)  $Y=-X$

X	Y
-5	5
-6	6
-9	9
3	-3
5	-5

6)  $Y=-X-5$

X	Y
-2	-3
-5	0
-6	1
-7	2
-8	3

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

X	Y
-2	-8
-5	-20
-6	-24
-7	-28
9	36

8)  $Y=X+5$

X	Y
-1	4
-4	1
-8	-3
-9	-4
5	10

9)  $Y=\sqrt{X-8}$

X	Y
10	1.414
8	0.000
9	1.000

10)  $Y=7+\frac{X}{4}$

X	Y
-4	6
-7	5.250
-8	5
1	7.250
4	8

11)  $Y=X^2-6$

X	Y
-5	19
0	-6
2	-2
5	19
9	75

12)  $Y=6-X$

X	Y
-4	10
-9	15
3	3
5	1
7	-1

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



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

1)  $Y=7^X+4$

X	Y
-10	4
-3	4.003
-6	0.080
3	347
7	823,547

2)  $Y=-X \times 9$

X	Y
-3	27
-9	81
0	0
3	-27
8	-72

3)  $Y=-X^2$

X	Y
-1	-1
-7	-49
-9	-81
2	-4
7	-49

4)  $Y=\frac{X}{7} \times 4$

X	Y
-1	-0.571
-2	-1.143
-3	-1.714
1	0.571
2	1.143

5)  $Y=-X$

X	Y
-5	5
-6	6
-9	9
3	-3
5	-5

6)  $Y=-X-5$

X	Y
-2	-3
-5	0
-6	1
-7	2
-8	3

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

X	Y
-2	-8
-5	-20
-6	-24
-7	-28
9	36

8)  $Y=X+5$

X	Y
-1	4
-4	1
-8	-3
-9	-4
5	10

9)  $Y=\sqrt{X-8}$

X	Y
10	1.414
8	0.000
9	1.000

10)  $Y=7+\frac{X}{4}$

X	Y
-4	6
-7	5.250
-8	5
1	7.250
4	8

11)  $Y=X^2-6$

X	Y
-5	19
0	-6
2	-2
5	19
9	75

12)  $Y=6-X$

X	Y
-4	10
-9	15
3	3
5	1
7	-1

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





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

Answers

1)  $Y = -X$

X	Y
-3	3
-6	6
4	-4
6	-6
8	-8

2)  $Y = \sqrt{X}$

X	Y
10	3.162
1	1.000
3	1.732
4	2.000
8	2.828

3)  $Y = 3 \times X - (X + 6)$

X	Y
-6	-18
-7	-20
-9	-24
0	-6
5	4

4)  $Y = \frac{X}{4} \times 5$

X	Y
-2	-2.500
-4	-5
0	0
1	1.250
8	10

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

X	Y
-10	10.000
-8	8.000
2	2.000
5	5.000
8	8.000

6)  $Y = -X + 6$

X	Y
-4	10
2	4
4	2
6	0
7	-1

7)  $Y = -X^2$

X	Y
-3	-9
-8	-64
4	-16
5	-25
6	-36

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

X	Y
3	2.449
5	3.162
6	3.464
7	3.741
9	4.242

9)  $Y = \frac{X}{3}$

X	Y
-10	-3.333
-1	-0.333
-4	-1.333
0	0
3	1

10)  $Y = 8 + X$

X	Y
-5	3
-7	1
0	8
7	15
8	16

11)  $Y = 4 - X$

X	Y
-1	5
-3	7
-7	11
-9	13
1	3

12)  $Y = X^2 - 9$

X	Y
-8	55
0	-9
1	-8
3	0
7	40

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



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

1)  $Y = -X$

X	Y
-3	3
-6	6
4	-4
6	-6
8	-8

2)  $Y = \sqrt{X}$

X	Y
10	3.162
1	1.000
3	1.732
4	2.000
8	2.828

3)  $Y = 3 \times X - (X + 6)$

X	Y
-6	-18
-7	-20
-9	-24
0	-6
5	4

4)  $Y = \frac{X}{4} \times 5$

X	Y
-2	-2.500
-4	-5
0	0
1	1.250
8	10

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

X	Y
-10	10.000
-8	8.000
2	2.000
5	5.000
8	8.000

6)  $Y = -X + 6$

X	Y
-4	10
2	4
4	2
6	0
7	-1

7)  $Y = -X^2$

X	Y
-3	-9
-8	-64
4	-16
5	-25
6	-36

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

X	Y
3	2.449
5	3.162
6	3.464
7	3.741
9	4.242

9)  $Y = \frac{X}{3}$

X	Y
-10	-3.333
-1	-0.333
-4	-1.333
0	0
3	1

10)  $Y = 8 + X$

X	Y
-5	3
-7	1
0	8
7	15
8	16

11)  $Y = 4 - X$

X	Y
-1	5
-3	7
-7	11
-9	13
1	3

12)  $Y = X^2 - 9$

X	Y
-8	55
0	-9
1	-8
3	0
7	40

Answers1. yes2. no3. yes4. yes5. no6. yes7. no8. no9. yes10. yes11. yes12. no



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

**Answers**

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

X	Y
-2	1.000
-8	7.810
3	2.449
6	5.745
8	7.810

2)  $Y = -X + 6$

X	Y
-2	8
-3	9
5	1
6	0
7	-1

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

X	Y
-2	2.000
-7	7.000
1	1.000
6	6.000
9	9.000

4)  $Y = 7 \times X + 8^2$

X	Y
-10	-6
-1	57
-2	50
-5	29
-8	8

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

X	Y
-3	1.414
-4	3.000
-6	5.385
-7	6.481
-9	8.602

6)  $Y = -X^2$

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

7)  $Y = X^2 + 5$

X	Y
-10	105
-7	54
-9	86
3	14
6	41

8)  $Y = \sqrt{X+9}$

X	Y
-4	2.236
-5	2.000
-6	1.732
-9	0.000
10	4.358

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

X	Y
-2	-10
-9	-45
1	5
3	15
8	40

10)  $Y = \sqrt{X}$

X	Y
0	0.000
10	3.162
4	2.000
5	2.236
8	2.828

11)  $Y = 3 + X$

X	Y
-10	-7
-2	1
0	3
4	7
8	11

12)  $Y = X - 2$

X	Y
-3	-5
-4	-6
-8	-10
3	1
5	3

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



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

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

X	Y
-2	1.000
-8	7.810
3	2.449
6	5.745
8	7.810

2)  $Y = -X + 6$

X	Y
-2	8
-3	9
5	1
6	0
7	-1

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

X	Y
-2	2.000
-7	7.000
1	1.000
6	6.000
9	9.000

4)  $Y = 7 \times X + 8^2$

X	Y
-10	-6
-1	57
-2	50
-5	29
-8	8

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

X	Y
-3	1.414
-4	3.000
-6	5.385
-7	6.481
-9	8.602

6)  $Y = -X^2$

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

7)  $Y = X^2 + 5$

X	Y
-10	105
-7	54
-9	86
3	14
6	41

8)  $Y = \sqrt{X+9}$

X	Y
-4	2.236
-5	2.000
-6	1.732
-9	0.000
10	4.358

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

X	Y
-2	-10
-9	-45
1	5
3	15
8	40

10)  $Y = \sqrt{X}$

X	Y
0	0.000
10	3.162
4	2.000
5	2.236
8	2.828

11)  $Y = 3 + X$

X	Y
-10	-7
-2	1
0	3
4	7
8	11

12)  $Y = X - 2$

X	Y
-3	-5
-4	-6
-8	-10
3	1
5	3

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