



Based ONLY on the information presented, determine if the table describes a function (yes) or not (no). In the table x represents the input and y represents the output.

Answers

1)

| X   | Y  |
|-----|----|
| 20  | -5 |
| -20 | 5  |
| -24 | 6  |
| -28 | 7  |
| -40 | 10 |

2)

| X  | Y  |
|----|----|
| 4  | -2 |
| 9  | -3 |
| 9  | 3  |
| 64 | -8 |
| 81 | -9 |

3)

| X  | Y   |
|----|-----|
| -9 | 81  |
| -8 | 64  |
| -7 | 49  |
| 9  | 81  |
| 10 | 100 |

4)

| X  | Y  |
|----|----|
| 4  | -2 |
| 9  | -3 |
| 36 | -6 |
| 81 | -9 |
| 81 | 9  |

5)

| X   | Y   |
|-----|-----|
| 16  | 4   |
| 36  | 6   |
| 64  | -8  |
| 64  | 8   |
| 100 | -10 |

6)

| X   | Y  |
|-----|----|
| -10 | -9 |
| -7  | -6 |
| -3  | -2 |
| 6   | 7  |
| 8   | 9  |

7)

| X  | Y   |
|----|-----|
| -7 | 49  |
| 6  | 36  |
| 7  | 49  |
| 9  | 81  |
| 10 | 100 |

8)

| X   | Y   |
|-----|-----|
| -10 | -10 |
| -7  | -7  |
| -7  | -1  |
| -3  | -3  |
| 1   | 1   |

9)

| X  | Y   |
|----|-----|
| -9 | 81  |
| -4 | 16  |
| 4  | 16  |
| 8  | 64  |
| 10 | 100 |

10)

| X  | Y  |
|----|----|
| -5 | -5 |
| 1  | 1  |
| 4  | 4  |
| 7  | 7  |
| 9  | 9  |

11)

| X  | Y  |
|----|----|
| -4 | -8 |
| 2  | -8 |
| 2  | 10 |
| 9  | 9  |
| 10 | -4 |

12)

| X  | Y  |
|----|----|
| -4 | -3 |
| -4 | 1  |
| 6  | 10 |
| 9  | 9  |
| 10 | -4 |

13)

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

14)

| X   | Y   |
|-----|-----|
| -10 | 100 |
| -8  | 64  |
| 3   | 9   |
| 7   | 49  |
| 8   | 64  |

15)

| X  | Y  |
|----|----|
| -6 | 7  |
| -4 | -3 |
| -3 | 9  |
| 7  | 4  |
| 8  | 4  |

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



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| 9  | 3  |
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| 81 | -9 |

3)

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| 9  | 81  |
| 10 | 100 |

4)

| X  | Y  |
|----|----|
| 4  | -2 |
| 9  | -3 |
| 36 | -6 |
| 81 | -9 |
| 81 | 9  |

5)

| X   | Y   |
|-----|-----|
| 16  | 4   |
| 36  | 6   |
| 64  | -8  |
| 64  | 8   |
| 100 | -10 |

6)

| X   | Y  |
|-----|----|
| -10 | -9 |
| -7  | -6 |
| -3  | -2 |
| 6   | 7  |
| 8   | 9  |

7)

| X  | Y   |
|----|-----|
| -7 | 49  |
| 6  | 36  |
| 7  | 49  |
| 9  | 81  |
| 10 | 100 |

8)

| X   | Y   |
|-----|-----|
| -10 | -10 |
| -7  | -7  |
| -7  | -1  |
| -3  | -3  |
| 1   | 1   |

9)

| X  | Y   |
|----|-----|
| -9 | 81  |
| -4 | 16  |
| 4  | 16  |
| 8  | 64  |
| 10 | 100 |

10)

| X  | Y  |
|----|----|
| -5 | -5 |
| 1  | 1  |
| 4  | 4  |
| 7  | 7  |
| 9  | 9  |

11)

| X  | Y  |
|----|----|
| -4 | -8 |
| 2  | -8 |
| 2  | 10 |
| 9  | 9  |
| 10 | -4 |

12)

| X  | Y  |
|----|----|
| -4 | -3 |
| -4 | 1  |
| 6  | 10 |
| 9  | 9  |
| 10 | -4 |

13)

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

14)

| X   | Y   |
|-----|-----|
| -10 | 100 |
| -8  | 64  |
| 3   | 9   |
| 7   | 49  |
| 8   | 64  |

15)

| X  | Y  |
|----|----|
| -6 | 7  |
| -4 | -3 |
| -3 | 9  |
| 7  | 4  |
| 8  | 4  |

Answers

1. yes

2. no

3. yes

4. no

5. no

6. yes

7. yes

8. no

9. yes

10. yes

11. no

12. no

13. yes

14. yes

15. yes