Identify Functions (Equations)

Name:

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y - 7 = x$

2) $y^8 = 2 \times x$

3) $x + 8 = y^2$

4) $y^{-8} = x - 9$

5) $x \div 7 = y^8$

6) $x - 9 = y^8$

7) $x = 8 + y$

8) $y = x^7$

9) $x = 6 \div y$

10) $y^9 = x^4$

11) $y = x + 4$

12) $y = x - 2$

13) $y^{-8} + 7 = x$

14) $y \times 8 = x$

15) $y + 2 = x$

16) $y^{-8} = 8x$

17) $y = 9 - x$

18) $y^4 = 2 - x$

19) $y^2 + x = 6$

20) $x \times 5 = y^6$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations) Name: **Answer Key**

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y - 7 = x$

2) $y^8 = 2 \times x$

3) $x + 8 = y^2$

4) $y^{-8} = x - 9$

5) $x \div 7 = y^8$

6) $x - 9 = y^8$

7) $x = 8 + y$

8) $y = x^7$

9) $x = 6 \div y$

10) $y^9 = x^4$

11) $y = x + 4$

12) $y = x - 2$

13) $y^{-8} + 7 = x$

14) $y \times 8 = x$

15) $y + 2 = x$

16) $y^{-8} = 8x$

17) $y = 9 - x$

18) $y^4 = 2 - x$

19) $y^2 + x = 6$

20) $x \times 5 = y^6$

Answers

1. yes
2. no
3. no
4. no
5. no
6. no
7. yes
8. yes
9. yes
10. yes
11. yes
12. yes
13. no
14. yes
15. yes
16. no
17. yes
18. no
19. no
20. no

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations)

Name:

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y^{-8} - 5 = x$

2) $y^{2} = x^{6}$

3) $y = -7$

4) $y^{2} = 2 \times x$

5) $y^{9} = x^{7}$

6) $y^{8} = x^{4}$

7) $y = 2 \times x$

8) $y = x \div 7$

9) $y + 8 = x$

10) $x \times 7 = y^{4}$

11) $y^{3} = x^{3}$

12) $y^{6} = 2 - x$

13) $y^{-4} = x$

14) $y - 2 = x$

15) $y + x = 9$

16) $y^{-4} = x - 8$

17) $x = 5$

18) $y^{-8} \div 2 = x$

19) $y = 9 \div x$

20) $6y = x$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations) Name: **Answer Key**

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y^{-8} - 5 = x$

2) $y^2 = x^6$

3) $y = -7$

4) $y^2 = 2 \times x$

5) $y^9 = x^7$

6) $y^8 = x^4$

7) $y = 2 \times x$

8) $y = x \div 7$

9) $y + 8 = x$

10) $x \times 7 = y^4$

11) $y^3 = x^3$

12) $y^6 = 2 - x$

13) $y^{-4} = x$

14) $y - 2 = x$

15) $y + x = 9$

16) $y^{-4} = x - 8$

17) $x = 5$

18) $y^{-8} \div 2 = x$

19) $y = 9 \div x$

20) $6y = x$

Answers

1. no
2. no
3. yes
4. no
5. yes
6. no
7. yes
8. yes
9. yes
10. no
11. yes
12. no
13. no
14. yes
15. yes
16. no
17. no
18. no
19. yes
20. yes

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations)

Name:

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $x = -7$

2) $y^{-4} \times 4 = x$

3) $y^{6} + x = 7$

4) $y^{-6} = x$

5) $y^{-8} = x + 6$

6) $y = x^{8}$

7) $y = 8 - x$

8) $y = x + 5$

9) $y = x \div 9$

10) $y = 7 \div x$

11) $y^{6} = 2 + x$

12) $y^{-6} + 3 = x$

13) $y^{1} = 2 \div x$

14) $y^{-8} = 7x$

15) $y^{2} = 2 \div x$

16) $y + 5 = x$

17) $y^{6} = x^{9}$

18) $x \div 7 = y^{6}$

19) $y^{1} = 2 - x$

20) $y \div 5 = x$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations) Name: **Answer Key**

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $x = -7$

2) $y^{-4} \times 4 = x$

3) $y^{6} + x = 7$

4) $y^{-6} = x$

5) $y^{-8} = x + 6$

6) $y = x^{8}$

7) $y = 8 - x$

8) $y = x + 5$

9) $y = x \div 9$

10) $y = 7 \div x$

11) $y^{6} = 2 + x$

12) $y^{-6} + 3 = x$

13) $y^{1} = 2 \div x$

14) $y^{-8} = 7x$

15) $y^{2} = 2 \div x$

16) $y + 5 = x$

17) $y^{6} = x^{9}$

18) $x \div 7 = y^{6}$

19) $y^{1} = 2 - x$

20) $y \div 5 = x$

Answers

1. no
2. no
3. no
4. no
5. no
6. yes
7. yes
8. yes
9. yes
10. yes
11. no
12. no
13. yes
14. no
15. no
16. yes
17. no
18. no
19. yes
20. yes

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations)

Name:

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $x = 6 + y$

2) $y^4 = 2 \div x$

3) $y^6 = 2 - x$

4) $y^{-4} \times 7 = x$

5) $x + 8 = y^8$

6) $x = 2 \times y$

7) $y^7 = 2 \div x$

8) $x \times 7 = y^8$

9) $y^8 + x = 6$

10) $y^7 = x^7$

11) $y = 3 \times x$

12) $y^{-4} = x - 5$

13) $y^1 = x^3$

14) $y = x \div 7$

15) $y = x - 6$

16) $x = -4$

17) $y^{-4} = 8x$

18) $y^{-8} \div 5 = x$

19) $y \times 2 = x$

20) $y^{-2} = x \times 3$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations) Name: **Answer Key**

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $x = 6 + y$

2) $y^4 = 2 \div x$

3) $y^6 = 2 - x$

4) $y^{-4} \times 7 = x$

5) $x + 8 = y^8$

6) $x = 2 \times y$

7) $y^7 = 2 \div x$

8) $x \times 7 = y^8$

9) $y^8 + x = 6$

10) $y^7 = x^7$

11) $y = 3 \times x$

12) $y^{-4} = x - 5$

13) $y^1 = x^3$

14) $y = x \div 7$

15) $y = x - 6$

16) $x = -4$

17) $y^{-4} = 8x$

18) $y^{-8} \div 5 = x$

19) $y \times 2 = x$

20) $y^{-2} = x \times 3$

Answers

1. yes
2. no
3. no
4. no
5. no
6. yes
7. yes
8. no
9. no
10. yes
11. yes
12. no
13. yes
14. yes
15. yes
16. no
17. no
18. no
19. yes
20. no

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations)

Name:

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y^{-6} = x \times 2$

2) $y = x - 3$

3) $y^{-6} = x$

4) $y^{4} + x = 5$

5) $y^{-4} = 4x$

6) $y = 6 \div x$

7) $y + x = 3$

8) $y = 3$

9) $x = 3 + y$

10) $y - 7 = x$

11) $y^{-8} \div 6 = x$

12) $x \div 9 = y^{2}$

13) $x - 7 = y^{8}$

14) $7y = 8x$

15) $y^{-4} = x + 8$

16) $x = 5 - y$

17) $y^{-6} = x - 9$

18) $y^{-2} - 3 = x$

19) $y^{9} = x^{8}$

20) $y^{9} = 2 \div x$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations) Name: **Answer Key**

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y^{-6} = x \times 2$

2) $y = x - 3$

3) $y^{-6} = x$

4) $y^{4} + x = 5$

5) $y^{-4} = 4x$

6) $y = 6 \div x$

7) $y + x = 3$

8) $y = 3$

9) $x = 3 + y$

10) $y - 7 = x$

11) $y^{-8} \div 6 = x$

12) $x \div 9 = y^{2}$

13) $x - 7 = y^{8}$

14) $7y = 8x$

15) $y^{-4} = x + 8$

16) $x = 5 - y$

17) $y^{-6} = x - 9$

18) $y^{-2} - 3 = x$

19) $y^{9} = x^{8}$

20) $y^{9} = 2 \div x$

Answers

1. no
2. yes
3. no
4. no
5. no
6. yes
7. yes
8. yes
9. yes
10. yes
11. no
12. no
13. no
14. yes
15. no
16. yes
17. no
18. no
19. yes
20. yes

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations)

Name:

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $4y = x$

2) $y^9 = 2 + x$

3) $y^6 = 2 \div x$

4) $y \times 8 = x$

5) $y^4 = 2 + x$

6) $y^{-8} \times 2 = x$

7) $y = 9$

8) $y = 4 + x$

9) $y^4 + x = 7$

10) $y^{-6} + 9 = x$

11) $y^{-4} = x - 4$

12) $y^{-4} = x + 7$

13) $x + 9 = y^2$

14) $y^7 = 2 \times x$

15) $y^4 = x^8$

16) $y = -4$

17) $y^{-6} = x$

18) $y = 3 - x$

19) $y = x - 9$

20) $y - 9 = x$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations) Name: **Answer Key**

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $4y = x$

2) $y^9 = 2 + x$

3) $y^6 = 2 \div x$

4) $y \times 8 = x$

5) $y^4 = 2 + x$

6) $y^{-8} \times 2 = x$

7) $y = 9$

8) $y = 4 + x$

9) $y^4 + x = 7$

10) $y^{-6} + 9 = x$

11) $y^{-4} = x - 4$

12) $y^{-4} = x + 7$

13) $x + 9 = y^2$

14) $y^7 = 2 \times x$

15) $y^4 = x^8$

16) $y = -4$

17) $y^{-6} = x$

18) $y = 3 - x$

19) $y = x - 9$

20) $y - 9 = x$

Answers

1. yes
2. yes
3. no
4. yes
5. no
6. no
7. yes
8. yes
9. no
10. no
11. no
12. no
13. no
14. yes
15. no
16. yes
17. no
18. yes
19. yes
20. yes

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations)

Name:

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y \div 2 = x$

2) $y^5 = 2 - x$

3) $y^{-8} = x - 4$

4) $y \times 6 = x$

5) $y^{-2} \div 3 = x$

6) $y^9 = 2 + x$

7) $x \div 6 = y^2$

8) $y^2 + x = 3$

9) $y^8 = 2 - x$

10) $y^{-8} \times 2 = x$

11) $y^{-2} = x$

12) $y^8 = x^9$

13) $x = 6 \div y$

14) $y^5 = 2 \times x$

15) $y = x \times 7$

16) $y^9 = x^3$

17) $y = x \div 3$

18) $y - 3 = x$

19) $x = 2 \times y$

20) $x - 8 = y^4$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations) Name: **Answer Key**

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y \div 2 = x$

2) $y^5 = 2 - x$

3) $y^{-8} = x - 4$

4) $y \times 6 = x$

5) $y^{-2} \div 3 = x$

6) $y^9 = 2 + x$

7) $x \div 6 = y^2$

8) $y^2 + x = 3$

9) $y^8 = 2 - x$

10) $y^{-8} \times 2 = x$

11) $y^{-2} = x$

12) $y^8 = x^9$

13) $x = 6 \div y$

14) $y^5 = 2 \times x$

15) $y = x \times 7$

16) $y^9 = x^3$

17) $y = x \div 3$

18) $y - 3 = x$

19) $x = 2 \times y$

20) $x - 8 = y^4$

Answers

1. yes
2. yes
3. no
4. yes
5. no
6. yes
7. no
8. no
9. no
10. no
11. no
12. no
13. yes
14. yes
15. yes
16. yes
17. yes
18. yes
19. yes
20. no

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations)

Name:

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y^6 = 2 - x$

2) $7y = x$

3) $y^1 = 2 - x$

4) $y = 6 \div x$

5) $y^5 = 2 \times x$

6) $y = x - 6$

7) $x + 3 = y^6$

8) $x = 7 \times y$

9) $y^6 = 2 \div x$

10) $y^{-2} = x \div 8$

11) $y = x \times 9$

12) $y^3 = 2 \div x$

13) $y^{-2} \div 4 = x$

14) $x = -7$

15) $y^{-2} = x$

16) $y^2 = x^5$

17) $x - 8 = y^2$

18) $y^{-4} - 8 = x$

19) $y = x \div 9$

20) $x = 2 - y$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations) Name: **Answer Key**

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y^6 = 2 - x$

2) $7y = x$

3) $y^1 = 2 - x$

4) $y = 6 \div x$

5) $y^5 = 2 \times x$

6) $y = x - 6$

7) $x + 3 = y^6$

8) $x = 7 \times y$

9) $y^6 = 2 \div x$

10) $y^{-2} = x \div 8$

11) $y = x \times 9$

12) $y^3 = 2 \div x$

13) $y^{-2} \div 4 = x$

14) $x = -7$

15) $y^{-2} = x$

16) $y^2 = x^5$

17) $x - 8 = y^2$

18) $y^{-4} - 8 = x$

19) $y = x \div 9$

20) $x = 2 - y$

Answers

1. no
2. yes
3. yes
4. yes
5. yes
6. yes
7. no
8. yes
9. no
10. no
11. yes
12. yes
13. no
14. no
15. no
16. no
17. no
18. no
19. yes
20. yes

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations)

Name:

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y^{-8} = 7x$

2) $y = -8$

3) $y^{-4} = x$

4) $y = 4$

5) $y^{8} = x^{2}$

6) $6y = x$

7) $y^{-2} = x \times 8$

8) $y^{-6} = x \div 3$

9) $y^{6} = x^{6}$

10) $y + x = 5$

11) $y^{7} = x^{5}$

12) $y^{3} = 2 \times x$

13) $x + 4 = y^{2}$

14) $y^{-8} - 8 = x$

15) $x = 8 + y$

16) $y^{-6} = x + 2$

17) $y^{1} = x^{9}$

18) $y = x \div 9$

19) $x = 5 - y$

20) $y = 8 + x$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations) Name: **Answer Key**

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y^{-8} = 7x$

2) $y = -8$

3) $y^{-4} = x$

4) $y = 4$

5) $y^{8} = x^{2}$

6) $6y = x$

7) $y^{-2} = x \times 8$

8) $y^{-6} = x \div 3$

9) $y^{6} = x^{6}$

10) $y + x = 5$

11) $y^{7} = x^{5}$

12) $y^{3} = 2 \times x$

13) $x + 4 = y^{2}$

14) $y^{-8} - 8 = x$

15) $x = 8 + y$

16) $y^{-6} = x + 2$

17) $y^{1} = x^{9}$

18) $y = x \div 9$

19) $x = 5 - y$

20) $y = 8 + x$

Answers

1. no
2. yes
3. no
4. yes
5. no
6. yes
7. no
8. no
9. no
10. yes
11. yes
12. yes
13. no
14. no
15. yes
16. no
17. yes
18. yes
19. yes
20. yes

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations)

Name:

Determine if each equation describes a function (yes) or not (no). In the equation x represents the input and y represents the output.

1) $y^{-4} = x \div 5$

2) $y = x \div 7$

3) $x = 9$

4) $y \div 8 = x$

5) $y^{-4} \times 3 = x$

6) $y = 5 \div x$

7) $x = -4$

8) $6y = 2x$

9) $y^{-2} = x - 8$

10) $y^{-6} + 6 = x$

11) $y^{2} = 2 - x$

12) $y - 9 = x$

13) $x + 3 = y^{2}$

14) $x = 2 \div y$

15) $y^{-6} = 8x$

16) $y = x^{1}$

17) $x \div 4 = y^{8}$

18) $y = 4 \times x$

19) $y = -4$

20) $y \times 6 = x$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Identify Functions (Equations) Name: **Answer Key**

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18) $y = 4 \times x$

19) $y = -4$

20) $y \times 6 = x$

Answers

1. no
2. yes
3. no
4. yes
5. no
6. yes
7. no
8. yes
9. no
10. no
11. no
12. yes
13. no
14. yes
15. no
16. yes
17. no
18. yes
19. yes
20. yes

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0