

Domain and Range of Functions

Mathematics · Answer Key · 26 Questions

1. What is the domain for question 3 on page 1?

A) $2y \geq 4$

B) $x \geq 2$

C) $x \leq 2$

D) $y \geq 2$

2. What is the range for question 3 on page 1?

A) $y \geq 0$

B) $x \geq 0$

C) $y \leq 0$

D) $x \leq 0$

3. Is the relation in question 3 on page 1 a function?

A) Yes

B) No

C) Cannot be determined

D) Sometimes

4. What is the domain for question 5 on page 1?

A) $x \geq 4$

B) $x \leq 4$

C) $y \geq 4$

D) $y \leq 4$

5. What is the domain for question 7 on page 1?

A) $x \geq -2$

B) $x \leq -2$

C) $y \geq -2$

D) $y \leq -2$

6. What is the range for question 7 on page 1?

A) $x \leq 5$

B) $x \geq 5$

C) $y \leq 5$

D) $y \geq 5$

7. What is the domain for question 2 on page 1?

A) $x < -1$

B) $x > -1$

C) $y < -1$

D) $y > -1$

8. What is the range for question 2 on page 1?

A) $2 < x < 2$

B) $2 < y < 2$

C) $-2 < x < 2$

D) $-2 < y < 2$

9. What is the domain for question 4 on page 1?

A) $y \geq 4$

B) $y \leq 4$

C) $x \geq 4$

D) $x \leq 4$

10. What is the domain for question 6 on page 1?

A) $x < 4$

B) $x > 4$

C) $y < 4$

D) $y > 4$

11. What is the range for question 6 on page 1?

A) $1 < y < y$

B) $1 < x < x$

C) $1 < y$

D) $1 < x$

12. What is the domain for question 8 on page 1?

A) $x < 4$

B) $x > 4$

C) $y < 4$

D) $y > 4$

13. What is the range for question 8 on page 1?

A) $x < 4$

B) $x > 4$

C) $y < 4$

D) $y > 4$

14. What is the domain for question 3 on page 2?

A) $y \geq 4$

B) $y \leq 4$

C) $x \geq 4$

D) $x \leq 4$

15. What is the range for question 3 on page 2?

A) $y \leq 9$

B) $y \geq 9$

C) $x \leq 9$

D) $x \geq 9$

16. What is the domain for question 5 on page 2?

A) $x \geq 5$

B) $x \leq 5$

C) $y \geq 5$

D) $y \leq 5$

17. What is the domain for question 2 on page 3?

A) $-2 \leq x \leq 2$

B) $-2 \leq y \leq 2$

C) $2 \leq x \leq 2$

D) $2 \leq y \leq 2$

18. What is the range for question 2 on page 3?

A) $-x \leq x$

B) $-y \leq y$

C) $-2 \leq x \leq 2$

D) $-2 \leq y \leq 2$

19. What is the domain for question 4 on page 3?

A) $x < 1$

B) $x > 1$

C) $y < 1$

D) $y > 1$

20. What is the range for question 4 on page 3?

A) $2 \leq y \leq 2$

B) $2 \leq x \leq 2$

C) $2 \leq y \leq 4$

D) $2 \leq x \leq 4$

21. What is the domain for question 6 on page 3?

A) $-4 \leq x \leq 5$

B) $-4 \leq y \leq 5$

C) $-5 \leq x \leq 4$

D) $-5 \leq y \leq 4$

22. What is the range for question 6 on page 3?

A) $1 < y$

B) $1 > y$

C) $1 < x$

D) $1 > x$

23. What is the domain for question 7 on page 4?

A) $x \geq 4$

B) $x \leq 4$

C) $y \geq 4$

D) $y \leq 4$

24. What is the range for question 7 on page 4?

A) y

B) x

C) 4

D) None of the above

25. What is the domain for question 8 on page 5?

A) $x < 4$

B) $x > 4$

C) $y < 4$

D) $y > 4$

26. What is the range for question 8 on page 5?

A) $1 < x < 4$

B) $1 < y < 4$

C) $4 < x < 1$

D) $4 < y < 1$