

Slope Block

Rules: This game is best played with two teams of two people each. One team is 'X' and the other team is 'O'. Each team takes turns drawing a card from the deck and reading the clue to the other team who must decide whether the clue represents a line with positive, negative, zero, or undefined slope. If the team is correct, they get to mark a spot corresponding to the correct answer on the game board below. If the team is incorrect, the team that read the clue gets to mark a spot corresponding to the correct answer on the game board below. The first team to get five in a row wins.

Zero	Positive	Zero	Positive	Undefined	Negative	Negative	Zero	Undefined	Undefined
Negative	Zero	Negative	Undefined	Negative	Undefined	Zero	Undefined	Undefined	Positive
Undefined	Undefined	Zero	Zero	Negative	Undefined	Negative	Zero	Negative	Zero
Positive	Zero	Negative	Negative	Zero	Positive	Undefined	Positive	Zero	Negative
Zero	Negative	Undefined	Negative	Positive	Zero	Zero	Negative	Zero	Zero
Negative	Negative	Positive	Undefined	Zero	Negative	Undefined	Negative	Positive	Negative
Undefined	Undefined	Undefined	Zero	Undefined	Zero	Positive	Undefined	Negative	Undefined
Positive	Negative	Positive	Zero	Positive	Undefined	Positive	Negative	Positive	Zero

	Slope Block Game Questions	Answers
1.	$(-4, 3)$ and $(-4, 5)$	Undefined
2.	$y = 0$	Zero
3.	$(0, 13)$ and $(-4, 13)$	Zero
4.	$y = -2$	Zero
5.	$(6, 8)$ and $(-3, 4)$	Positive
6.	$3x - 5y = 1$	Positive
7.	$y = -2x + 6$	Negative
8.	$(-3, 2)$ and $(6, 6)$	Positive
9.	$(-1, -3)$ and $(1, -2)$	Positive
10.	$(5, 1)$ and $(-2, 1)$	Zero
11.	$y = 5x - 2$	Positive
12.	$(-2, 8)$ and $(1, 6)$	Negative
13.	$x = 5$	Undefined
14.	$(-5, 9)$ and $(3, -3)$	Positive
15.	$(-3, 2)$ and $(1, -4)$	Negative
16.	$(9, 6)$ and $(1, 4)$	Positive
17.	$y = -11$	Zero
18.	$(4, -3)$ and $(2, 2)$	Negative
19.	$2x + y = 7$	Negative
20.	$(0, 1)$ and $(1, 3)$	Positive
21.	$y = -4$	Zero
22.	$2x - 3y = 10$	Positive
23.	$-5x + y = 10$	Positive
24.	$(3, 1)$ and $(2, 6)$	Negative
25.	$x = 1$	Undefined
26.	$x = 0$	Undefined
27.	$x = 2$	Undefined
28.	$(-2, 2)$ and $(4, -4)$	Negative
29.	$(1, 2)$ and $(2, 4)$	Positive
30.	$(3, 1)$ and $(-3, 3)$	Negative
31.	$(-1, 5)$ and $(6, -2)$	Negative
32.	$(9, -4)$ and $(3, 2)$	Positive
33.	$(4, 3)$ and $(8, 4)$	Positive
34.	$y = 4$	Zero
35.	$x = -3$	Undefined
36.	$y = -3$	Zero
37.	$x = 6$	Undefined
38.	$(1, 8)$ and $(-1, 7)$	Positive
39.	$(10, 4)$ and $(7, 4)$	Zero
40.	$x = 2y$	Positive
41.	$(-9, 16)$ and $(-11, 16)$	Zero
42.	$(-3, -1)$ and $(6, -4)$	Negative
43.	$x = -4y$	Negative
44.	$(6, -6)$ and $(6, 2)$	Undefined
45.	Temp goes from 78F to -40F in 8 days	Negative

$(-4, 3)$ and $(-4, 5)$

1

$$y = 0$$

2

$(0, 13)$ and $(-4, 13)$

3

$$y = -2$$

4

$(6, 8)$ and $(-3, 4)$

5

$$3x - 5y = 1$$

6

$$y = -2x + 6$$

7

$(-3, 2)$ and $(6, 6)$

8

$(-1, -3)$ and $(1, -2)$

9

$(5, 1)$ and $(-2, 1)$

10

$$y = 5x - 2$$

11

$(-2, 8)$ and $(1, 6)$

12

$$x = 5$$

13

$$(-5, 9) \text{ and } (3, -3)$$

14

$$(-3, 2) \text{ and } (1, -4)$$

15

$$(9, 6) \text{ and } (1, 4)$$

16

$$y = -11$$

17

$$(4, -3) \text{ and } (2, 2)$$

18

$$2x + y = 7$$

19

$$(0, 1) \text{ and } (1, 3)$$

20

$$y = -4$$

21

$$2x - 3y = 10$$

22

$$-5x + y = 10$$

23

$$(3, 1) \text{ and } (2, 6)$$

24

$$x = 1$$

25

$$x = 0$$

26

$$x = 2$$

27

$$(-2, 2) \text{ and } (4, -4)$$

28

$$(1, 2) \text{ and } (2, 4)$$

29

$$(3, 1) \text{ and } (-3, 3)$$

30

$(-1, 5)$ and $(6, -2)$

31

$(9, -4)$ and $(3, 2)$

32

$(4, 3)$ and $(8, 4)$

33

$y = 4$

34

$x = -3$

35

$y = -3$

36

$$x = 6$$

37

$$(1, 8) \text{ and } (-1, 7)$$

38

$$(10, 4) \text{ and } (7, 4)$$

39

$$x = 2y$$

40

$$(-9, 16) \text{ and } (-11, 16)$$

41

$$(-3, -1) \text{ and } (6, -4)$$

42

$$x = -4y$$

43

(6, -6) and (6, 2)

44

Temp goes from 78F to
-40F in 8 days

45