



# Practice Items

## Grade 8

# Mathematics

### Examiner's Copy and Student Materials

Virginia Department of Education

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Item 1

Option:

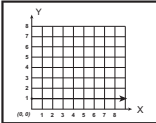
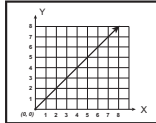
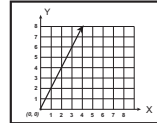
Here is an equation with the variable  $x$ . (Point to student materials.) This says  $7x$  equals 14. Seven times what number equals 14? 1, 2, or 3

A	B	C	Student Response
1	2	3	

Item 2

Option:

Here are three line graphs. (Point to student materials.) Slope is how steep a line is. You find positive slope by counting how many units you go up, and then to the right from one point to find the next point. Which line has a slope of one up, one to the right? A, B, or C

A	B	C	Student Response
			

Item 3

Option:

Here is an equation with the variable  $x$ . (Point to student materials.) This says  $x$  plus 1 equals 4. What number plus 1 equals 4? 1, 2, or 3

A	B	C	Student Response
1	2	3	

Item 4

Option:

Here is a 6 foot by 3 foot rectangle. (Point to student materials.) What is the total area of this figure? 9 square feet, 18 square feet, or 32 square feet

A	B	C	Student Response
9	18	32	

Item 5

Option:

Here are three lines. (Point to student materials.) When slope is positive, the line goes up to the right. Which line has positive slope? Line A, Line B, or Line C

A	B	C	Student Response
Line A	Line B	Line C	

Item 1

$$7x = 14$$

Seven times what number equals 14 ?

A rectangular box with a black border, containing the number 1 in the center.

**A**

A rectangular box with a black border, containing the number 2 in the center.

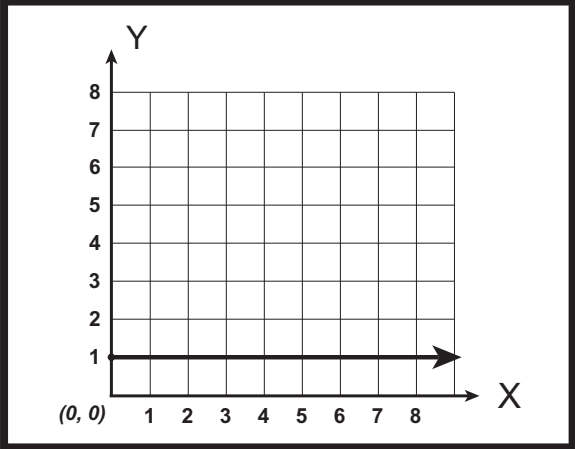
**B**

A rectangular box with a black border, containing the number 3 in the center.

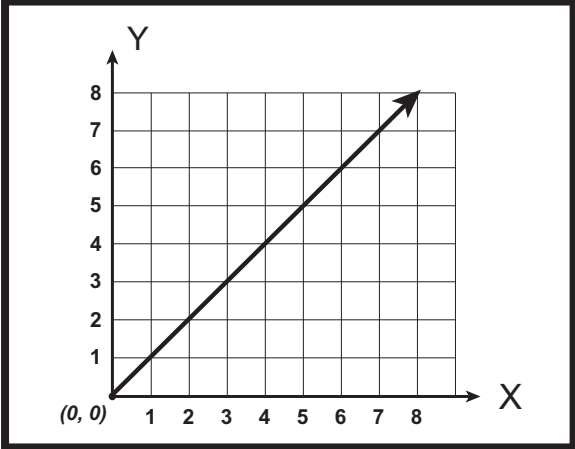
**C**

Item 2

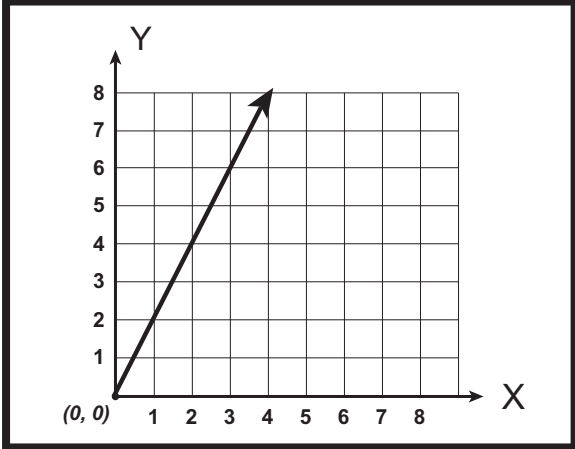
Which line has a slope of one up, one to the right?



**A**



**B**

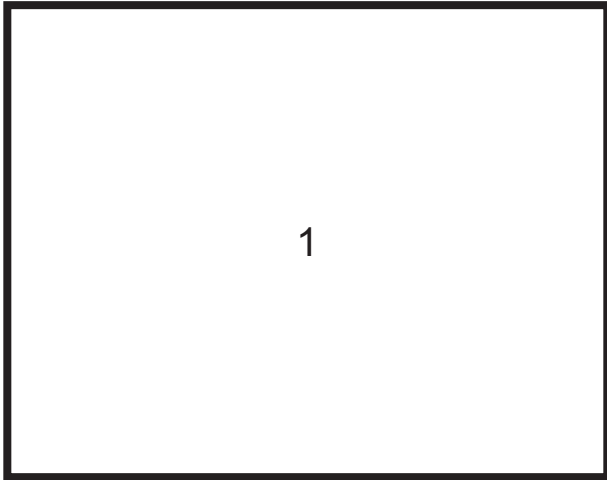


**C**

Item 3

$$x + 1 = 4$$

What number plus 1 equals 4 ?

A square box with a black border, containing the number 1 in the center.

**A**

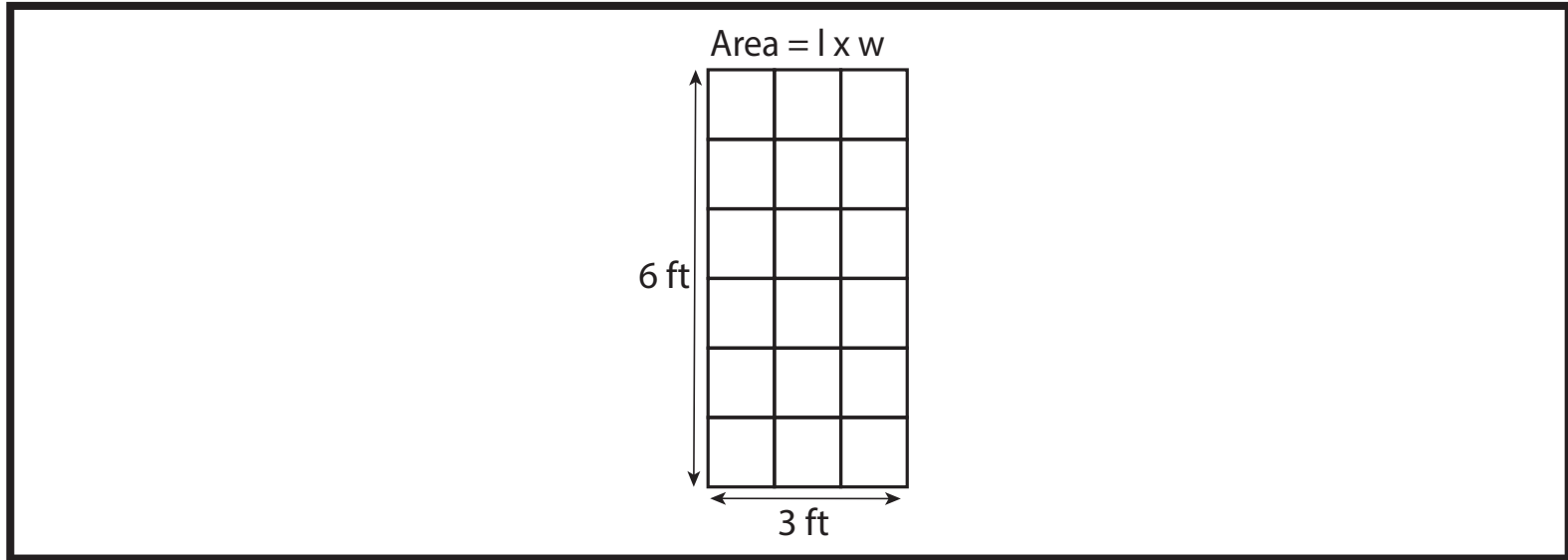
A square box with a black border, containing the number 2 in the center.

**B**

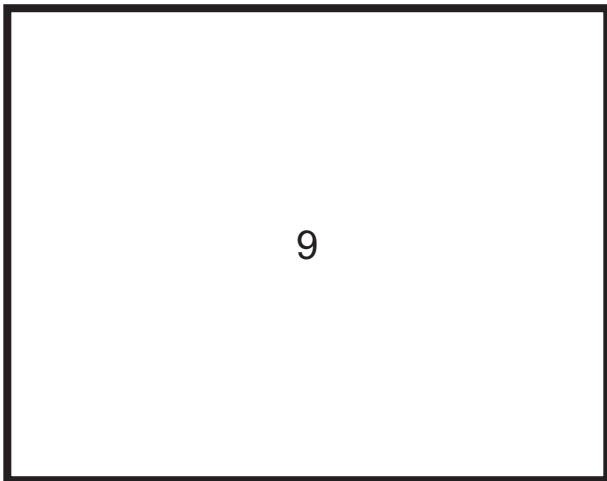
A square box with a black border, containing the number 3 in the center.

**C**

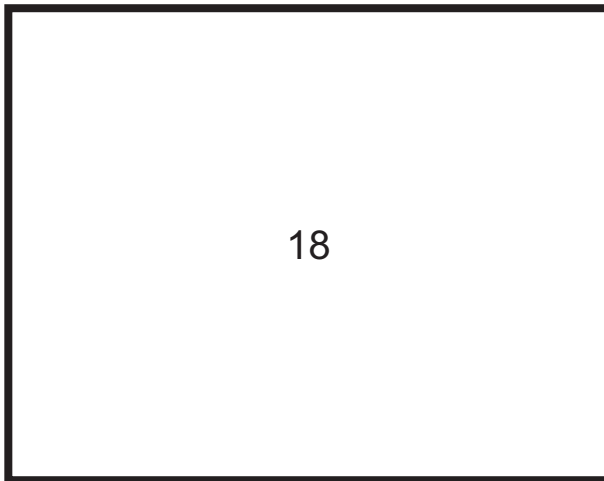
Item 4



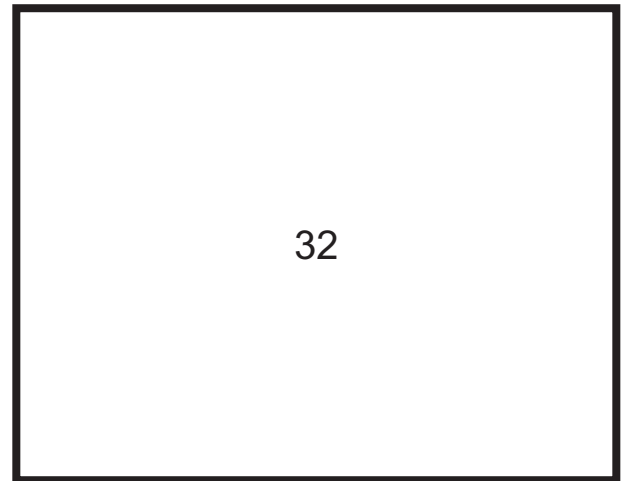
What is the total area of this figure?



**A**

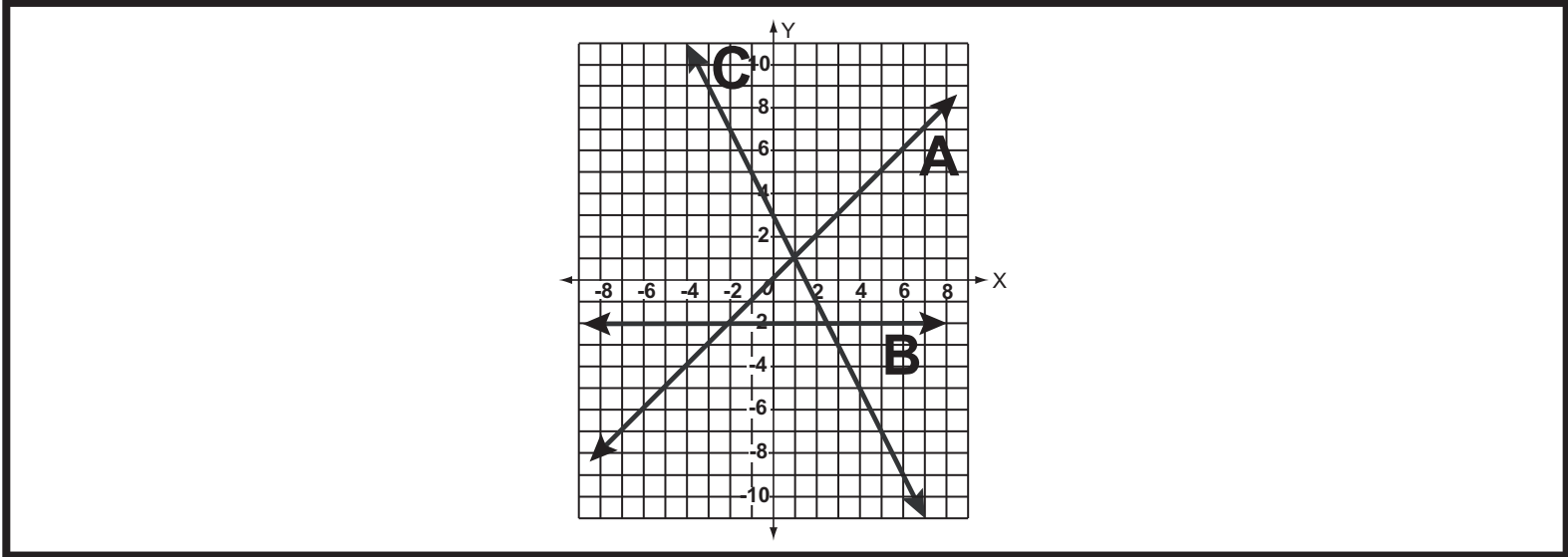


**B**



**C**

Item 5



Which line has positive slope?

Line A

**A**

Line B

**B**

Line C

**C**

