

29. Which is based on the following rule?

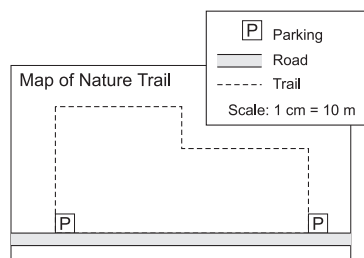
First, square the input number.
Then subtract the input number from its square.

A.	Input (x)	1	2	5
	Output (y)	1	4	20
B.	Input (x)	1	2	5
	Output (y)	0	4	25
C.	Input (x)	1	2	5
	Output (y)	1	2	25
D.	Input (x)	1	2	5
	Output (y)	0	2	20

Reporting Category/Substrand for Item 29: **Patterns, Relations, and Functions/Patterns and Functions (p. 145)**

Use the ruler on your Mathematics Reference Sheet to answer question 30. [Ed. Note: This graphic is presented in Appendix A in the same dimensions in which it was presented in Student Test Booklets.]

30. Forest rangers are planning to put wooden planks end to end along a nature trail shown on the map below. The planks are each two meters long.

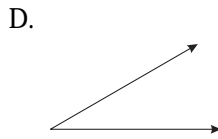
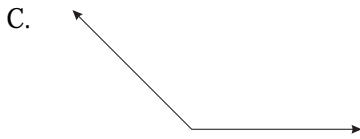
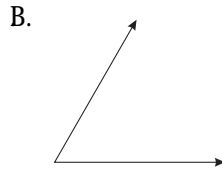
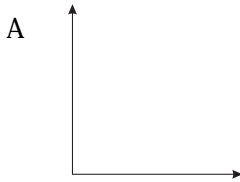


About how many planks will the rangers need for the trail?

- A. 6
- B. 24
- C. 60
- D. 240

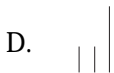
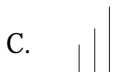
Reporting Category/Substrand for Item 30: **Number Sense/Ratio, Proportion, Percent (p. 144)**

31. Which of the following angles measures about 60° ?



Reporting Category/Substrand for Item 31: **Geometry and Measurement/Geometric Measurement (pp. 146-147)**

32. Which set of line segments cannot be used to form a triangle?



Reporting Category/Substrand for Item 32: **Geometry and Measurement/Geometry (p. 146)**