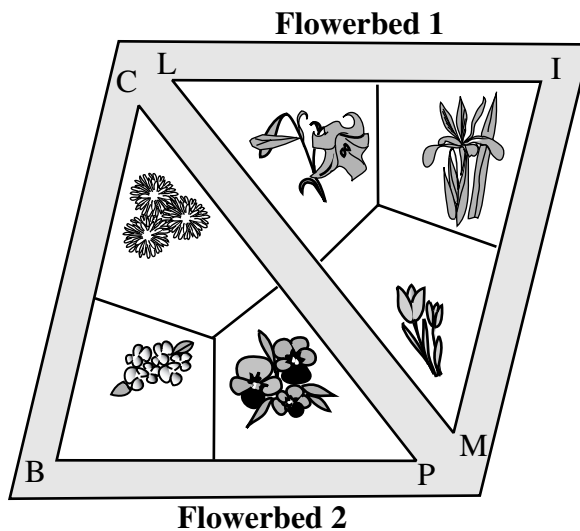


Mathematics, Grade 10

9 A landscape artist is designing two triangular flowerbeds so that:

- $\triangle LIM \cong \triangle PBC$.
- $\triangle LIM$ encloses Flowerbed 1.
- $\triangle PBC$ encloses Flowerbed 2.
- The measure of $\angle C$ is 50° and the measure of $\angle B$ is 75° .



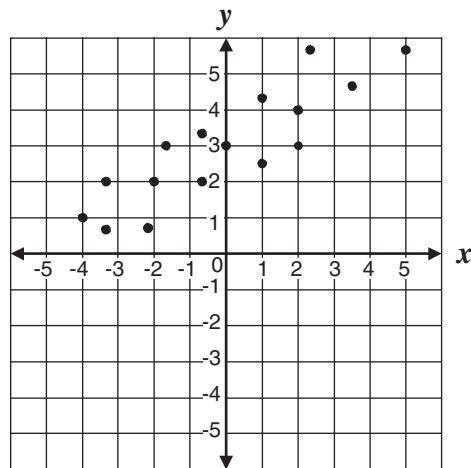
What is the measure of $\angle L$?

- A. 50°
- B. 55°
- C. 75°
- D. 105°

Reporting Category for Item 9: **Geometry**

Mathematics, Grade 10

Use the graph below to answer question 10.



10 Which of the following equations **best** represents the data in the graph?

- A. $y = 2x + 3$
- B. $y = \frac{1}{2}x + 3$
- C. $y = 2x - 3$
- D. $y = \frac{1}{2}x - 3$

Reporting Category for Item 10: *Data Analysis, Statistics, and Probability*

Mathematics, Grade 10

11 Which of the following equations **does not** represent a linear relationship?

A. $xy = 12$

B. $x + y = 12$

C. $y = 12x$

D. $x - y = 12$

Reporting Category for Item 11: Patterns, Relations, and Algebra

12 Solve the inequality $|x - 7| \leq 8$ for x .

A. $0 \leq x \leq 15$

B. $-1 \leq x \leq 15$

C. $-1 \leq x \leq 16$

D. $-7 \leq x \leq 8$

Reporting Category for Item 12: Patterns, Relations, and Algebra