



Cartesian Coordinate System

Practice Questions

Directions: Select the letter of the correct answer for each question below.

1) In which quadrant of the coordinate plane can you locate $(-5, -7)$?

- a) QI
- b) QII
- c) QIII
- d) QIV

2) Determine the slope of the line $3x + 2y = 1$

- a) $-3/2$
- b) $3/2$
- c) $-2/3$
- d) $2/3$

3) What are the intercepts of the line $5x - 2y = 10$?

- a) $(2, 0)$ and $(0, -5)$
- b) $(2, -5)$ and $(-2, 5)$
- c) $(-5, 0)$ and $(0, 2)$
- d) $(0, -2)$ and $(5, 0)$

4) Line A is perpendicular to Line B. Line B is defined by the equation $2x - y = 5$. What is the slope of line A?

- a) 2
- b) -2
- c) $1/2$
- d) $-1/2$

5) The Linear equation $y = \frac{1}{4}x - 2$ passes through the point $(k, -1)$. Determine the value of k .

- a) -1
- b) 2
- c) -3
- d) 4



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