

Grade 10 quiz

Q1. If an ordered pair satisfying the equations $2x-3y=18$ and $4x-y=16$ also satisfies the equations $5x-py-23=0$, then find the value of p .

- A. 1
- B. 2
- C. 3
- D. 4

Q2. The angles A, B, C and D in order in a cyclic quadrilateral are $(2x+y)^\circ$, $(2(x+y))^\circ$, $(3x+2y)^\circ$, and $(4x-2y)^\circ$. Find their measures in the same order.

- A. 70° , 110° , 80° , 100°
- B. 70° , 80° , 110° , 100°
- C. 70° , 80° , 100° , 110°
- D. 80° , 100° , 110° , 70°

Q3. The pair of equations $3x - 5y = 7$ and $-6x + 10y = 7$ have

- A. a unique solution
- B. infinitely many solutions
- C. no solution
- D. two solutions

Q4. The pair of equations $x = -4$ and $y = -5$ graphically represents lines which are

- A. intersecting at $(-5, -4)$
- B. intersecting at $(-4, -5)$
- C. intersecting at $(5, 4)$
- D. intersecting at $(4, 5)$

Q5. The pair of equations $x = 0$ and $x = 5$ has

- A. a unique solution
- B. infinitely many solutions
- C. no solution
- D. two solutions