

PREVIOUS PAPER

Based on Memory

1. If the point A (7, k) is the vertex of an isosceles triangle ABC with base BC, where B = (2, 4) and C = (6, 10), then what is 'k'?
 1) 6 2) 3 3) 4 4) 5
2. If the distance between the points (na, nb) and (a, b) is 4 times the distance between the points (5a, 5b) and (a, b), then 'n' is equal to-
 a) 11 or -13 2) 11 3) 13 4) 17 or -15
3. ABC is a triangle whose centroid is G. If A is (-3, 1) B is (2, b), C is (a, -4) and G is (1, -1) then find 'a' and 'b'.
 1) a = 4, b = 0 2) a = 0, b = 4
 3) a = 3, b = 2 4) a = 5, b = 2
4. An angle is equal to $\frac{3\pi}{5}$ radians. What is its measure in degrees?
 1) 145° 2) 72° 3) 108° 4) 120°
5. The equation of a straight line is $2x-3y+2=0$. What is its slope?
 1) $\frac{2}{3}$ 2) -2 3) 2 4) $-\frac{2}{3}$
6. Find the range of values of x, which satisfy the inequality-
 $-\frac{1}{5} \leq \frac{3x}{10} + 1 < \frac{2}{5}, x \in \mathbb{R}$
 1) $(x : x \in \mathbb{R}, 0.3 \leq x < 9)$ 2) $(x : x \in \mathbb{R}, -4 \leq x < -2)$
 3) $(x : x \in \mathbb{R}, 4 \geq x > -2)$ 4) $(x : x \in \mathbb{R}, 5 < x \leq 8)$

Rrb Assistant Loco Pilot Exam Papers

Julia Schneider



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