NUNAVUT MATHEMATICS 10C · UNIT 6 · 5 QUESTIONS

Systems of Linear Equations — Practice Test

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1 **Antique brass orrery, a model of the solar system with planets around a central sun. The solution to the system y = x - 2 and y = -2x + 4 is**



A (0, 2)

B (2, 0)

C (2, 2)

D (-2, 0)

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2 **The two lines shown cross at one point. The solution to the system formed by the two lines is**

A (7, 2)

B (1, 3)

C (2, 7)

D (2, -7)

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3 **The system y = -x + 5 and 2x + 2y = 10 has**

A no solution

B exactly one solution

C exactly two solutions

D infinitely many solutions

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4 **When the system y = 3x + 1 and x + y = 9 is solved, the value of y is _____**

ANSWER

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5 **One gym charges a 25 dollar joining fee plus 10 dollars per month. A second gym charges a 5 dollar joining fee plus 15 dollars per month. The two gyms charge the same total after**

A 4 months

B 2 months

C 6 months

D 3 months

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ANSWER KEY

1. B
2. C
3. D
4. 7
5. A

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