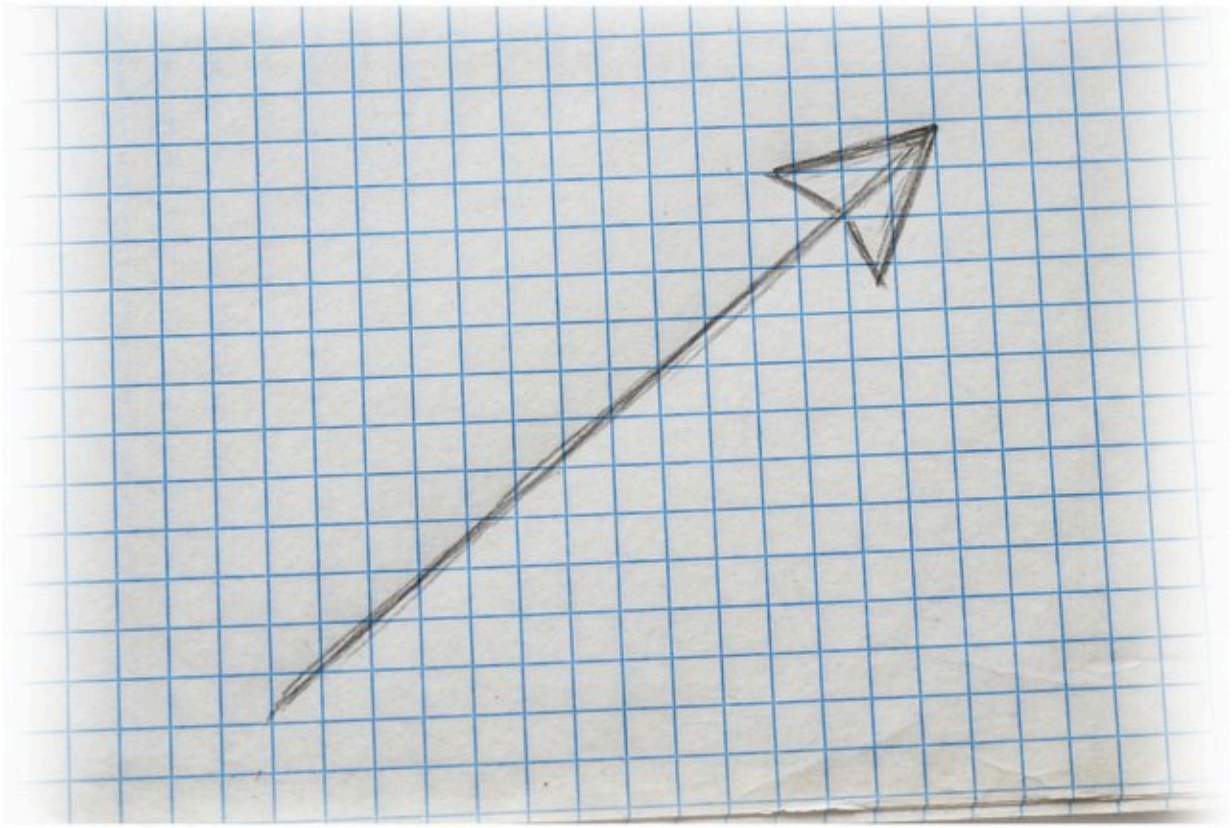
ONTARIO CALCULUS AND VECTORS, GRADE 12, UNIVERSITY PREPARATION (MCV4U) · UNIT C · 10 QUESTIONS

Geometry of Vectors — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The direction angle of vector (9, 12) to the nearest degree is**



A 58

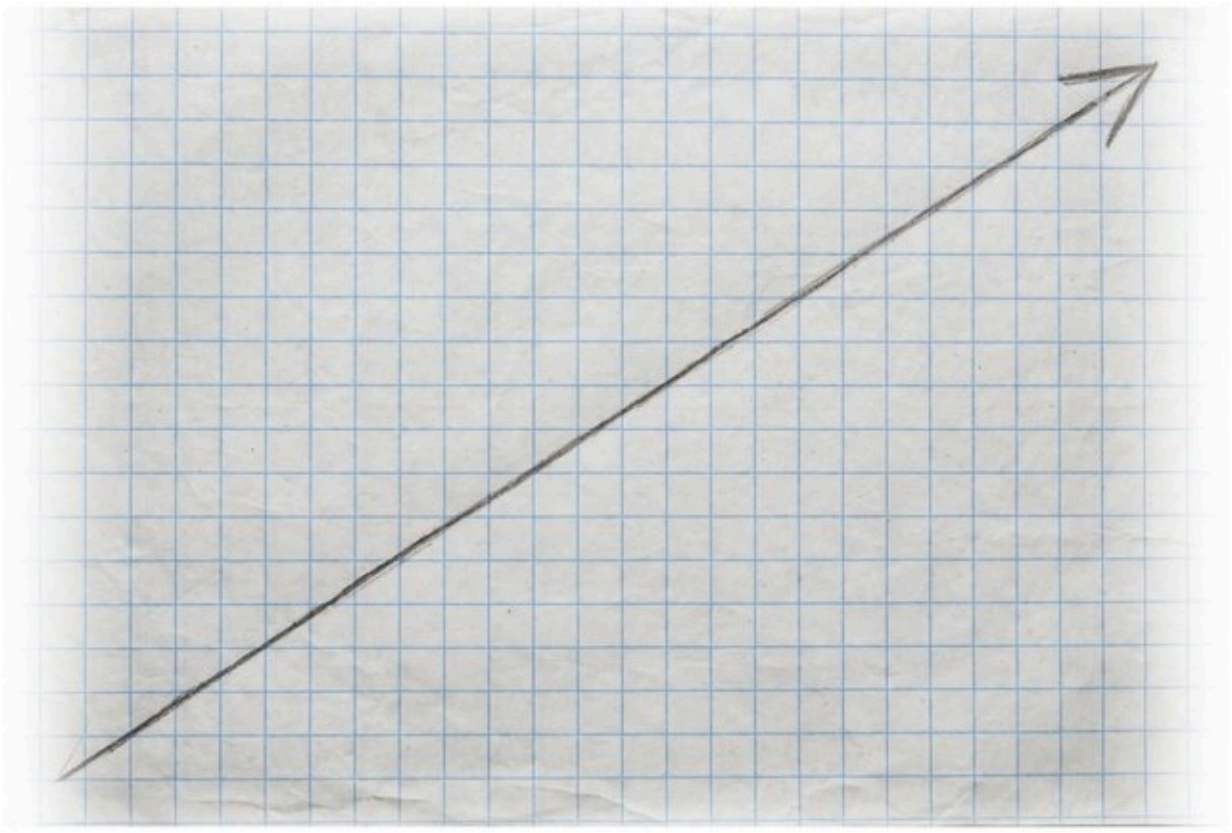
B 48

C 53

D 45

Understand It with Pulse | Flag a mistake

2 **A vector has components (12, 16) Its magnitude is**



A 21

B 20

C 19

D 28

Understand It with Pulse | Flag a mistake

3 **A vector has components (15, 20) Its magnitude is**

- A 26
- B 24
- C 35
- D 25

Understand It with Pulse | Flag a mistake

4 **A vector has components (20, 21) Its magnitude is**

- A 29
- B 30
- C 28
- D 41

Understand It with Pulse | Flag a mistake

5 **A vector has components (7, 24) Its magnitude is**

- A 25
- B 26
- C 24
- D 31

Understand It with Pulse | Flag a mistake

6 **A vector has components (10, 24) Its magnitude is**

- A 27
- B 25
- C 26
- D 34

Understand It with Pulse | Flag a mistake

7 **A vector has components (11, 60) Its magnitude is**

- A 62
- B 60
- C 71
- D 61

Understand It with Pulse | Flag a mistake

8 **A vector has components (24, 32) Its magnitude is**

- A 41
- B 39
- C 40
- D 56

Understand It with Pulse | Flag a mistake

9 **A vector has components (27, 36) Its magnitude is**

A 46

B 45

C 44

D 63

Understand It with Pulse | Flag a mistake

10 **A vector has components (30, 40) Its magnitude is**

A 51

B 49

C 50

D 70

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. C
2. B
3. D
4. A
5. A
6. C
7. D
8. C
9. B
10. C

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