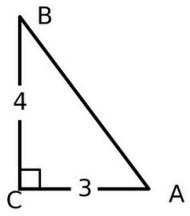
TWO-DIMENSIONAL FORCES AND TORQUE - PRACTICE TEST | NEW BRUNSWICK PHYSICS 121-122 · UNIT A · 5 QUESTIONS

Two-Dimensional Forces and Torque — 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 diagram shows a right triangle with legs 3 and 4. The hypotenuse length is**



Question 1

The diagram shows a right triangle with one side 3 and the other side 4. The hypotenuse length is

A) 6

B) 5

C) 7

D) 4

- **A** 6
- **B** 5
- **C** 7
- **D** 4

Understand It with Pulse | Flag a mistake

2

The normal force on a horizontal surface equals the object's

A weight

B mass

C friction

D acceleration

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3 **Aerial view looking straight down at a four-way road intersection, two straight grey asphalt roads crossing at right angles with white lane markings, no cars, no people, no text. The resultant of two forces at right angles is found by**



A vector addition

B scalar addition

C subtraction only

D multiplication

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4 **The unit of torque is the**

A newton

B joule per second

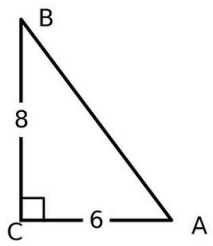
C newton metre

D kilogram metre

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5

The diagram shows a right triangle with legs 6 and 8. The hypotenuse length is



Question 5

The diagram shows a right triangle with one side 6 and the other side 8. The hypotenuse length is

A) 12

B) 10

C) 14

D) 9

A 12

B 10

C 14

D 9

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ANSWER KEY

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

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