GRAVITATIONAL MOTION AND UNIVERSAL GRAVITATION - PRACTICE TEST | NEW BRUNSWICK PHYSICS 121-122 · UNIT D · 5 QUESTIONS

Gravitational Motion and Universal Gravitation — 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 **Dark storm clouds over the ocean with rain falling in the distance. The gravitational force is 200 newtons at distance d. At distance 2d the force is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **The gravitational force is 64 newtons at distance 4d relative to distance d. The force at distance d is**

ANSWER

Understand It with Pulse | Flag a mistake

3 **Doubling both masses increases the force by a factor of**

ANSWER

Understand It with Pulse | Flag a mistake

4 **Halving the distance increases the force by a factor of**

ANSWER

Understand It with Pulse | Flag a mistake

5 **A satellite radius factor of 2 gives a period factor to one decimal place of**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 50
2. 1024
3. 4
4. 4
5. 2.8

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