Question **1**

Not yet answered

Marked out of 1.00

v1 (latest)

A small rotating robotic arm weighs 6.5 N and has a mass radius of gyration of 5.0 cm. The mass moment of inertia (kg*cm^2) is most nearly:

- A. 13.0
- B. 16.6
- C. 162.5
- D. 10.6

Question **2**

Not yet answered

Marked out of 1.00

v1 (latest)

A boat accelerates at a constant rate of 15 ft/sec^2. The boat travels 150 ft while its speed changes to 75 ft/sec. The initial velocity (ft/sec) was most nearly:

- A. 58.0
- B. 11.0
- C. 33.5
- D. 67.0

Question **3**

Not yet answered

Marked out of 1.00

v1 (latest)

During impact of two objects, which of the following is true?

- A. Energy is never conserved.
- B. Energy is always conserved.
- C. Momentum is always conserved.
- D. Momentum is never conserved.

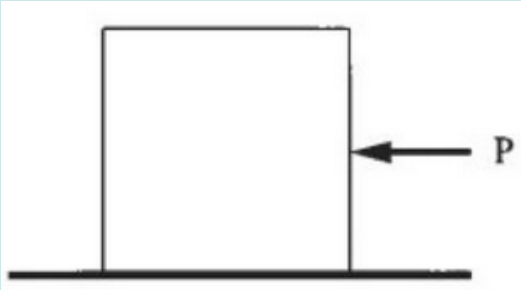
Question **4**

Not yet answered

Marked out of 1.00

v1 (latest)

A 7.5-kg block is sliding along a friction-less surface and is acted on by a constant force **P** of 25 N.



The time (seconds) when the block is moving at 16 m/s is most nearly:

- A. 3.33
- B. 53.33
- C. 4.50
- D. 4.80