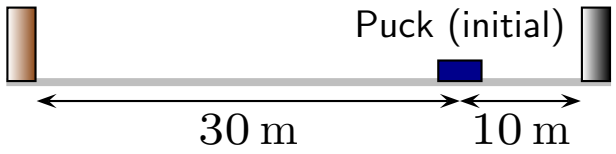
Question 1

A hockey puck is initially at the indicated location and slides to the right, striking a fixed black board at $2\,\mathrm{s}$ later. It bounces back and travels left, eventually striking a brown board at $8\,\mathrm{s}$ after it has struck the black board.

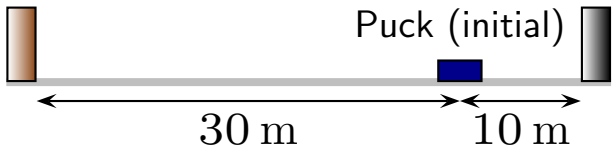


What is the average velocity of the puck from initial moment until it strikes the black board?

1. $-5\,\mathrm{m/s}$
2. $-1\,\mathrm{m/s}$
3. $0\,\mathrm{m/s}$
4. $1\,\mathrm{m/s}$
5. $5\,\mathrm{m/s}$

Question 2

A hockey puck is initially at the indicated location and slides to the right, striking a fixed black board at $2\,\mathrm{s}$ later. It bounces back and travels left, eventually striking a brown board at $8\,\mathrm{s}$ after it has struck the black board.

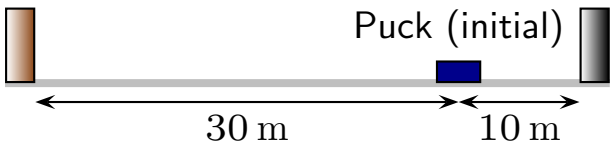


What is the average velocity of the puck from the moment it bounces off the black board until it strikes the brown board?

1. $-5\,\mathrm{m/s}$
2. $-4\,\mathrm{m/s}$
3. $0\,\mathrm{m/s}$
4. $4\,\mathrm{m/s}$
5. $5\,\mathrm{m/s}$

Question 3

A hockey puck is initially at the indicated location and slides to the right, striking a fixed black board at $2\,\mathrm{s}$ later. It bounces back and travels left, eventually striking a brown board at $8\,\mathrm{s}$ after it has struck the black board.

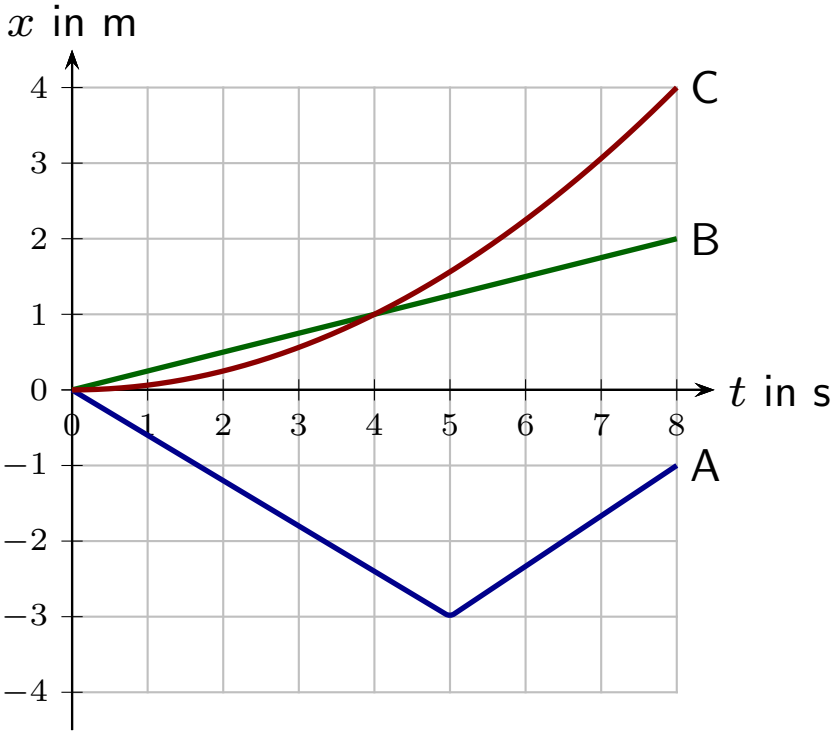


What is the average velocity of the puck from the initial moment until it strikes the brown board?

1. $-5\,\mathrm{m/s}$
2. $-3\,\mathrm{m/s}$
3. $0\,\mathrm{m/s}$
4. $3\,\mathrm{m/s}$
5. $5\,\mathrm{m/s}$

Question 4

Graphs of position vs. time for several objects are illustrated.



Which of these undergo uniform motion over the interval from $t = 2\,\mathrm{s}$ to $t = 8\,\mathrm{s}$?

1. All of A, B and C.
2. Only A.
3. Only B.
4. Only C.
5. Only A and B.
6. Only B and C.

Question 5

Congratulations! You now know how to navigate the course website (**Bookmark the link!**). What well-known city does this photograph show?