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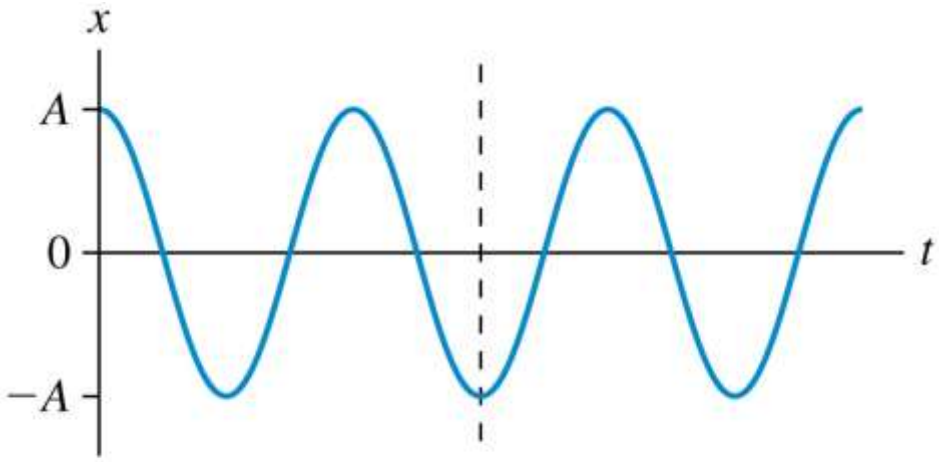
This is the position graph of a mass on a spring. What can you say about the velocity and the force at the instant indicated by the dotted line?



1. Velocity is positive; force is to the right.
2. Velocity is negative; force is to the left.
3. Velocity is negative; force is to the right.
4. Velocity is zero; force is to the right.
5. Velocity is zero; force is to the left.

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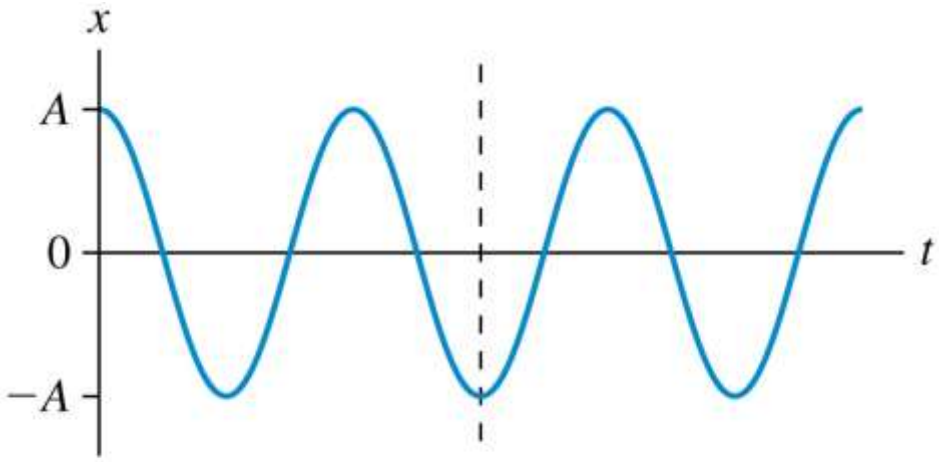

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