GAME 2005\_GAME PHYSICS\_A2

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# Part 1: Physics Problem

1. *Crate is up the ramp:*

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Since the surface is frictionless, the acceleration as the crate moves down the ramp is **constant**.

1. *Crate is down the ramp:*

Since now that ,

Next, since we have

(since )

1. *Crate is down the ramp:*

(this is our displacement for travelling down the ramp)

( from question b.)

1. Diagram:

