

Question 1

Two balls are launched horizontally from the same height. A blue ball is launched with a much faster speed than the red ball.

Red: Slower



Blue: Faster

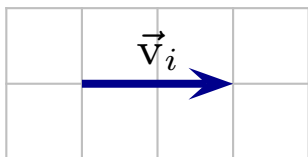


Which of the following is true?

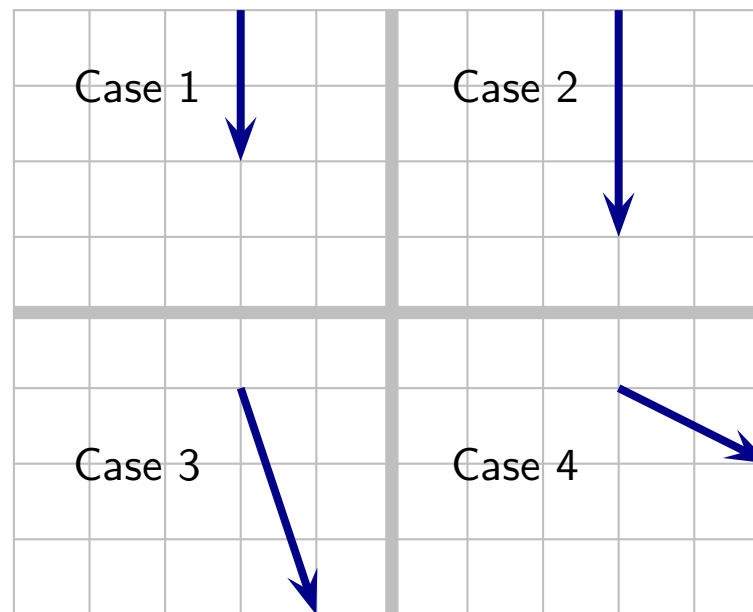
1. Both balls hit the ground at the same time.
2. The red ball hits the ground first.
3. The blue ball hits the ground first.

Question 2

A ball is launched horizontally with the indicated initial velocity.



Which of the following best represents the velocity just before hitting the ground?



Question 3

A ball is launched horizontally above the ground. Which of the following best represents its trajectory?

