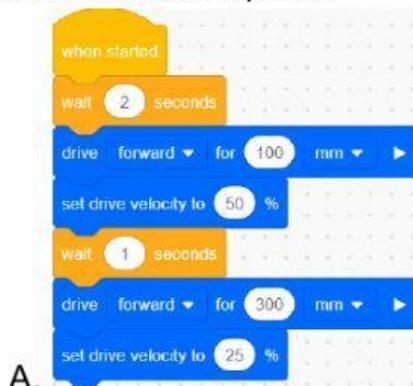


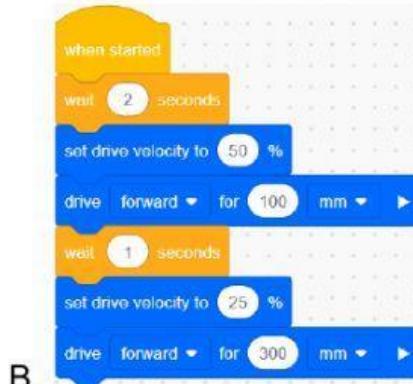
VEXcode VR Alpha

Lesson 2: Setting Velocities for Driving

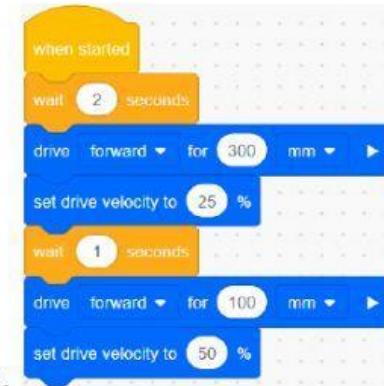
Direction: Select the correct answer for each item.



A.



B.



C.



D

5. Which of the following makes a robot move 400 mm forward at 50% speed and move 100 mm backward at 30% speed?

A.



```
when started
  drive forward [400 inches]
  set drive velocity [50 %]
  drive reverse [100 inches]
  set drive velocity [30 %]
```

C.



```
when started
  set drive velocity [50 %]
  drive forward [400 mm]
  set drive velocity [30 %]
  drive reverse [100 mm]
```

B.



```
when started
  drive forward [400 mm]
  set drive velocity [50 %]
  drive reverse [100 mm]
  set drive velocity [30 %]
```

D.



```
when started
  set drive velocity [50 %]
  drive forward [400 inches]
  set drive velocity [30 %]
  drive reverse [100 inches]
```

6. Which of the following shows a robot that moves 400 mm forward, pauses for 1 second, moves 200 mm backward, pauses for 2 seconds and moves another 100 mm forward?

A.



```
when started
  drive forward [400 mm]
  wait [1 second]
  drive reverse [200 inches]
  wait [2 seconds]
  drive forward [100 mm]
```

C.



```
when started
  wait [1 second]
  drive forward [400 mm]
  wait [2 seconds]
  drive reverse [200 mm]
  drive forward [100 mm]
```

B.



```
when started
  drive forward [400 mm]
  wait [1 second]
  drive reverse [200 mm]
  wait [2 seconds]
  drive forward [100 mm]
```

D.



```
when started
  wait [1 second]
  drive forward [400 mm]
  wait [2 seconds]
  drive reverse [200 mm]
  drive forward [100 mm]
```

7. Which of the following describes the program below?



- A. The robot moves 250 mm forward for 2 seconds before it moves 50 mm backward.
- B. The robot moves 250 mm forward for 2 seconds and then moves 50 mm backward.
- C. The robot moves 250 mm forward and 50 mm backward for 2 second each.
- D. The robot moves 250 mm forward then pauses for 2 seconds before it moves 50 mm backward.

8. The **set velocity drive** block is set a **drive** block so that the speed of a robot is put to a specific level.

9. The **wait** block is found under the tab.

10. Ausca is a robot.