

Lego Mindstorms Challenge #2 – Shooting Free Throws

To complete this challenge, your robot must shoot a basket at both free throw lines. You will start at half court facing parallel to the free throw lines. You must go to the right free throw line and “shoot”, then go to the left line and “shoot”. You do not need to return to half court.

- The distance from half court to each free throw line is 3ft.
- You must be facing the “basket” to “shoot”
- To “shoot”, you must activate the arm on the robot, swinging an arm 90 deg from a 3:00 position forward to a 9:00 position. Return your arm to the 3:00 position for the next shot.
- Bonus: You will receive a bonus for using the black line (rather than distance) for your motor control. (There will be no other detectable markings on the floor.)

