

## Quiz: Get in Gear

### Introduction to Mobile Robotics > Get in Gear

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1. Margaret's motors start at power level 75. Will the robot go faster or slower if she changes the power setting to...
  - a. 100?
  - b. 10?
  - c. 50?
  
2. Katrina has a box of 8-tooth gears and a box of 16-tooth gears in her workshop.
  - a. What combination of these gears on motor and wheel will make the fastest-moving robot on a flat, clear surface with nothing being pushed?
  
  - b. What combination of gears will make the robot that is best able to push a heavy load from one area to another?
  
  - c. What combination of gears would give a mix of speed and power? Is there more than one combination of gears that would give this same mix?

NAME

DATE