

- 2 6. A Toyota Camry costs \$19,600 and has an average gas mileage of 27 mpg. A Toyota Prius costs \$23,000 and has an average gas mileage of 50 mpg. Assuming gas costs \$4 per gallon, generate total cost equations as a function of miles driven for each of these cars and identify the fixed and variable costs.
- How many miles do you have to drive before the two cars have the same total cost?
 - Derive marginal cost for a Toyota Camry using calculus.
 - Derive marginal cost for a Toyota Prius using calculus.