

**Math 190 - Math 190ABC Chapter 5 Sample Test**

- Express 30 to 225 as a reduced ratio.
- Find x in each proportion:
  - $\frac{4}{111} = \frac{x}{132}$
  - $\frac{x}{17.6} = \frac{7}{3.2}$
  - $\frac{4\frac{1}{2}}{3\frac{2}{5}} = \frac{5.2}{x}$
- Change 52% into a fraction and a decimal.
- Change 0.075 into a fraction and a percent.
- Change  $\frac{5}{8}$  into a decimal and a percent.
- Find  $15\frac{1}{4}\%$  of 760.
- 12 is what percent of 25?
- 34.6 is 22% of what number?
- Find  $84 \div 0.425$  rounded to the nearest thousandth.
- $441.6 \div 30,000$
- Express 0.075 as a reduced fraction.
- Express  $9\frac{3}{8}$  as an exact decimal.
- Arrange in order from smallest to largest: 3.045, 3.45, 4.035, 3.5, 3.4533
- $\left(4\frac{1}{2}\right)^2 + 5 \times 3\frac{4}{5}$
- Find the total cost of three shirts at \$16.99 each, five hats at \$6.95, and two sweaters at \$59.29.
- If two million dollars were shared equally between the 37 members of a math class, how much would each receive?
- If it cost \$35.59 a day to rent a car plus  $12\frac{1}{2}$  ¢ for each mile driven, how much would it cost to rent the car for three days and travel 466 miles?