

Round answers to the nearest hundredth (2 decimal places) when necessary.

- 1) The sales tax in Gillette is 5%. A DC welder/AC generator costs \$1,489.40 before tax. What is the cost of the welder after sales tax?

- 2) An electrician has used 128 feet of the available 180 feet of 14 gauge wire. What percent of the wire has the electrician used?

- 3) A local mechanic charges \$35 per hour, which is 78% as much as his competitor. How much does his competitor charge per hour?

- 4) A machinist increased the size of his shop from 1200 square feet to 1400 square feet. What is the percent of increase in the size of the shop?

- 5) \$3,600 was invested at 8% annual interest compounded quarterly. How much is the investment worth in 20 years?

- 6) If the interest in the investment (from #5) was compounded continuously, what would the investment be worth in 20 years?

- 7) The owner of a diesel mechanic business needed to buy a new work truck. The truck costs \$47,500 and he is planning on making a \$5,000 down payment on the vehicle. How much would be the amount of the monthly payments for the truck if the loan was for 6 years at an 7.5% annual interest rate.