Proportion and percent supplemental problems

1. A local store is having a sale on rope. Brand A is selling at $36 for 120 feet; while Brand B is selling at $36 for 40 yards. Which is the better deal?
2. Billy Bob Dupree is trying to decide between two bags of potatoes. One bag of 12 pounds sells for $3.00; while another 15-pound bag costs $4.00 Which is the better buy?
3. Dennis works the day shift at a nearby machine shop. He makes $22.50 per hour.
   1. Compute his weekly pay for a typical 40-hour week.
   2. If Dennis works the night shift, he receives a 10% differential. This simply means his pay is 10% higher. Compute his hourly pay on the night shift, and compute his Weekly pay on the night shift.
4. How many 25’s are there in 900? Do not use a calculator on this one.
5. Jason’s round-trip to Pittsburgh is 906 miles. His car gets 26 miles to the gallon. About how many gallons will he use?
6. It’s summer. Gas is $1.969 per gallon. Estimate how much it will cost Jason to go to Pittsburgh and back.
7. Gary has measured out four walls that need painting. They have areas of 532, 628, 704, and 496 square feet. According to the can, 1 gallon of paint covers 600 square feet. Estimate the number of gallons he should buy.

8. Each gallon of paint in #7 costs $22.95. About how much should Gary plan on spending?