

Math 122 Worksheet 8

1. If z is a standard normal variable, find the probability that:
 - a. z lies between -1.10 and $-.36$
 - b. z is less than 1.13
2. The weekly salaries of teachers in one state are normally distributed with a mean of \$490 and a standard deviation of \$45. What is the probability that a randomly selected teacher earns more than \$525 per week?
3. Find the third Taylor polynomial for $f(x) = \sqrt{1-x}$ at $x = 0$.