

MAT 114
Practice Quiz – The Normal Distribution

Name: _____

1. Find the area to the left of $z = -1.36$

2. Find the area to the right of $z = 0.17$

3. Find the area between $z = -1.28$ and $z = 2.1$

4. A healthy 10-week-old kitten weighs 24.5 ounces with a standard deviation of 5.25 ounces.
 - a. What is the probability that a healthy 10-week-old kitten weighs more than 26 ounces?

 - b. What percent of healthy 10-week-old kittens will weigh between 20 and 30 ounces?