Normal Curve Sample Solutions Monday, February 27, 2023 2:32 PM Monday, February 27, 2023 1. 72.3-3.9 72.3 72.3+3.9 -.58 O +.58 $2 = \frac{3.9}{6.7} \approx .58$ Area -44% Ans: ~44% 2. 81/2 69.0 72.3 81.0 1.30 $\frac{1}{2} = \frac{81.0 - 72.3}{6.7} \approx 1.30$ Ans: 38+81 ~ 60% 3. percentile ranke for X=69.0 69.0 72.3 -.49 50-38 for X=81.0 X 73.3 81.0 1.30 50+ 8/2 ~ 90% 70 % 4. 40% Area 2≈.52 X = (.52).6.7 + 72.3 ≈ 75.8 has 70th percentile rente 30% -.39 for a z value

 $\chi = (-39)(6.7) + 72.3 \approx 69.7$ has 35th percentile rank