Skinny Red Scantrons

1. Bubble your name and ID number on front.

2. Do NOT put a zero before your ID number.

3. Use the same ID number (with no extra zero) as on the first day of class.

4. Use the same name as on the first day of class.

5. Bubble "Test A" on test-side of scantron.

6. Bubble **dark** and **precise**.

A normally distributed reading test used across the country has $\mu = 100$ and $\sigma = 30$. A normally distributed math test used across the country has $\mu = 50$ and $\sigma = 15$. $z = \frac{x - \mu}{\sigma}$

1. What is the proportion of reading test scores between $z = -1.1$ and $z = 1.3$?
   (a) .7675   (b) -.0389   (c) 0.0389   (d) -.7675

2. What z-score corresponds to the score of 61 on the math test?
   (a) -1.3   (b) 1.3   (c) .73   (d)-.73

3. What proportion of the reading test scores have values between 73 and 128?
   (a) .6397   (b) .4177 (c) .0069   (d) .0027

4. What is the proportion of math test scores between $z = -1.4$ and $z = -.75$?
   (a) .6926   (b) .4192   (c) .2734   (d) .1458

5. What z-score for the exam corresponds to the score that did better than 85% of all math test scores?
   (a) 0.85   (b)1.04   (c) -.85   (d)-1.04

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