

Practice for Quiz 1, Math 125

(The quiz will be on Wednesday, February 26)

Math 125 *Kovitz* Spring 2025

On the quiz, show your work.

1. A group of 2000 men had heights that followed the normal curve. Their average height is 68 inches, and 970 of the men have heights between 66 inches and 70 inches.

About how many of the men in the group have heights between 64 inches and 72 inches?

(A) 1200 (B) 1340 (C) 1453 (D) 1610 (E) 1940

2. Among first-year students at a certain university, scores on the Verbal SAT follow the normal curve; the average is always around 500, and the SD is about 100.

One year, there were about 1,000 students with scores in the range 280–720 on the Verbal SAT. About _____ of them had scores in the range 390 to 610.

(A) 375 (B) 500 (C) 708 (D) 729 (E) 750

3. Among freshmen at a certain university, scores on the Math SAT followed the normal curve, with an average of 550 and an SD of 100.

A student who scored 345 on the Math SAT was at about the _____ percentile of the score distribution.

(A) 2nd (B) 4th (C) 26th (D) 96th (E) 98th

The answers are found on the next page.

Answers.

1. (D) 1610
2. (E) 750
3. (A) 2nd