

Skills Test 1 – Calculus I Score Summary

Are you wondering how you fared compared to the other members of your class? Here are some statistics for the first Skills Test for sections 22 and 26.

- **The average score was about 5.97.**

Section 22 had an average of about 6.31, while section 26 had an average of about 5.54.

- **The hardest problem was “Planet X.”**

In both sections, the problem with the least correct answers was the average velocity calculation:

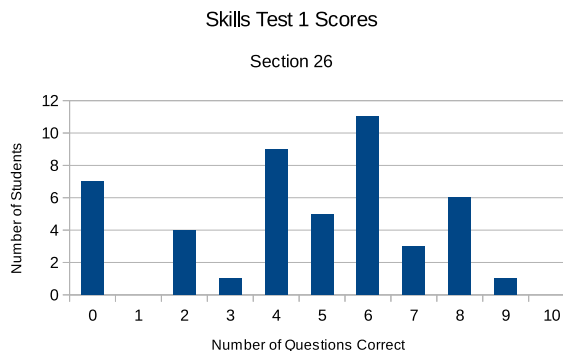
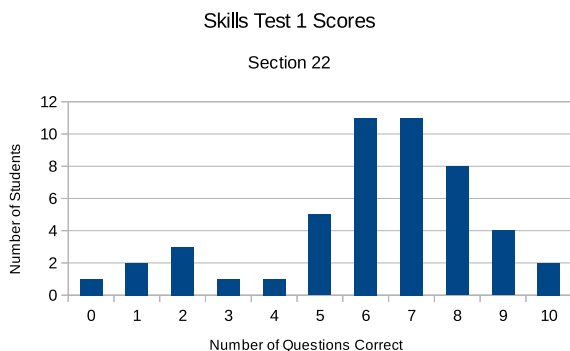
If a rock is thrown on a planet X with velocity of 10 m/s, its height (in meters) t seconds later is given by $y = 10t - 2t^2$. Find average velocity over time interval $[1, 2]$.

The solution? Remember that the average velocity is given by the difference in position divided by the difference in time:

$$\frac{y(2) - y(1)}{2 - 1} = \frac{(10(2) - 2(2)^2) - (10(1) - 2(1)^2)}{1} = \frac{12 - 8}{1} = 4 \text{ m/s}$$

The alternate version had an initial velocity of 15 m/s, so the equation was $y = 15t - 2t^2$, and the answer was 9 m/s.

- **Score Distributions:**



- **No one who took the test got a zero.**

Everyone who attempted the test got at least one question right. The only zeros were from people who were not present for the test.

- **It's not the end.**

Whether you scored a perfect 10 or were absent and got a zero, this skills test is only a small portion of your overall grade. Focus on learning and complete your assignments consistently, and you should do well in the class.

The key to success is regular practice.

If you're having difficulty understanding any topics or finding a study method that works for you, don't be shy: ask during recitation or office hours (Wednesday/Thursday 2:00 PM to 3:00 PM).