Fired Up About Academic Integrity

Julie Gunkelman
What was (is) the hardest thing to deal with in terms of working with students remotely?
Technology
Assessments
Communication
Other
Integrity is choosing your thoughts and actions based on values rather than personal gain.

Chris Karcher
- Cymath
- Math
- Math Solver
- Mathway
- Photomath
- Symbolab
- Wolfram Alpha
“Integrity is doing the right thing, even when no one is watching.”

C. S. Lewis
Let your students know you care about their integrity.
Let your students know how you feel about cheating.
Let your students know how much more obvious cheating can be online/remote.
Let your students know when integrity is lost it is very hard to get back.
Stress preparing in advance so that students are not tempted to cheat.
Use teaching/learning techniques in class to help your students learn and reduce the likelihood of cheating.
Know your students and their work.
Add an honor question at the beginning of the exam.
Students all take the exam at the same time.
Time the exam; don’t give too much time.
Decrease the weight of exams and increase online homework, projects, etc.
Utilize pools and randomization for online tests. Write new questions for in person exams.
Change the wording of test bank questions.
Use online proctoring.
Change Your Test Questions
Select all of the logarithmic expressions equivalent to \( \log_2 \left( \frac{8x^4y^3}{z^5} \right) \).

- \( \log_2 (8x^4y^3) \)
- \( \frac{\log_2 (8x^4y^3)}{\log_2 z^5} \)
- \( 4 \log_2 x + 3 \log_2 y - 5 \log_2 z + 3 \)
- \( \log_2 (8x^4y^3) - \log_2 z^5 \)
- \( \log_2 x^4 + \log_2 y^3 - \log_2 z^5 + 2 \)
- \( \log_2 (8x^4) + \log_2 y^3 - \log_2 z^5 \)
Select all of the statements that are true about the graph of the function \( f(x) = -\log_{100} (x + 1) \).

☐ The graph has a vertical asymptote.

☐ The graph has a horizontal asymptote.

☐ \( f(99) \) has an integer solution.

☐ The domain of the function is \((-1, \infty)\).

☐ The range of the function is \((-\infty, \infty)\).

☐ The graph passes through the origin.
Select all of the statements that are true about the function shown below.

- The range is \((0, \infty)\).
- The equation shown in the graph is \(f(x) = -2^x + 1\).
- The equation shown in the graph is \(f(x) = \log_2(4 - x)\).
- The y-intercept is \((0, -2)\).
- The domain is \((-\infty, \infty)\).
- The asymptote is \(x = 4\).
Write the system of linear inequalities shown on the right.
When Mrs. Gunkelman was in high school, she was asked to approximate $\ln 12$ using only $\ln 2 \approx 0.6931$ and $\ln 3 \approx 1.0986$. Explain how she found an approximation for $\ln 12$ back in the day. Use mathematics and your knowledge of logs to justify your answer.
I found very few of my test questions posted online.
I filed very few formal reports of cheating during remote learning.
What advice would you give to students in my class next semester?
"Study as much as you can, do your best and don't cheat."