

This quiz does not affect your course grade, but the department uses the statistic to improve future courses. Please complete this quiz by the **deadline: September 4th, 11:59:59pm.**

Please write your name and your abc123 ID on your answer paper and submit it through Blackboard under pdf file. You have to upload a scanned version of your solutions on Blackboard. If you don't have a scanner around you, you can use Cam Scanner—a mobile app that scans images in a neat way, as if they're scanned through a copier. Here's the link for Cam Scanner:
<https://www.camscanner.com/user/download>.

1. Evaluate: $8x + y - z$
for $x = -2$; $y = 3$; $z = -4.2$

2. Sketch the graph: $y = 10 - 3e^{-x}$
for $x \geq 0$.

3. Find the slope and y-intercept of the following:
$$3x - y = 9$$

4. Sketch the graph: $y = 3 \cos\left(\frac{t}{2}\right)$
From $t = 0$ through the end of first cycle. Let $w = \frac{1}{2}$.

5. What is the correct factorization of: $x^2 + 5x + 6$?
 - a. $(x + 1)(x + 6)$
 - b. $(x - 2)(x - 3)$
 - c. $(x + 2)(x + 3)$
 - d. $(x - 1)(x - 6)$

Show your work.