

Two-sided CPR Marketing Postcard utilized as promotional material during Summer Orientation

Carolina Pre-Calculus Review

Program goals:

- Improve math skills and knowledge by providing students with more than twenty hours on fundamental pre-calculus concepts that are critical to success in college.
- Explore concepts that faculty have identified as problematic for students learning calculus.
- Develop relationships with staff and faculty before the first day of class.

Two sessions:

- July 11th - July 16th
- August 1st - August 6th

Only \$100!

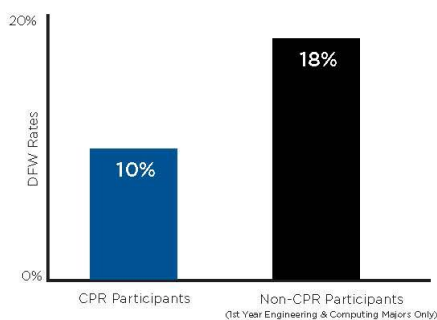
Sponsored by:

- Student Success Center
- Department of Mathematics
- College of Engineering & Computing
- Darla Moore School of Business

Questions:

- Contact the Student Success Center:
803.777.1000
www.sc.edu/success

Students who completed CPR in Summer 2015 were less likely to get a DFW in their first-semester math course.



To Register

Please visit:
sc.edu/success/cpr.html

Can you solve these math problems?

1 Factor Completely:
 $3x^2(4x^2 + 1)^8 + 64x^4(4x^2 + 1)^7$

2 Simplify the expression:

$$\frac{\cos^2 \theta}{1 + \sin \theta}$$

3 Find the domain of:
(a) $f(x) = \sqrt{-x^2 - 4x + 5}$

(b) $g(t) = \ln(4t - 3)$

(c) $h(x) = \frac{1}{x^3 + 3x^2 - x - 3}$

4 Use properties of logarithms to expand the expression:

$$\ln\left(\frac{\sqrt{xy}^5}{(z+1)^4}\right)$$

If not, we can help!

Answers:

1. $x^2(4x^2+1)^7(64x^2+12x+3)$ 2. $1 - \sin \theta$ 3. a. $(-\infty, -5) \cup (-2, 1) \cup (1, \infty)$ b. $(\frac{3}{4}, \infty)$ c. $(-\infty, -5) \cup (1, \infty)$ 4. $\frac{1}{2} \ln x + 5 \ln y - 4 \ln(z+1)$

GPBPC-5/16