

# N

$$f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$$

$$3x + 4 = 25 \\ x = 7$$

UNIVERSITY OF  
**Nebraska**  
Lincoln

22nd Annual

# Math Day

Thursday, Nov. 17, 2011  
Nebraska Union, City Campus

8 a.m. Opening Ceremony,  
Lied Center for Performing Arts

## PROBE Exams

Problems  
Requiring  
Original  
Brilliant  
Effort

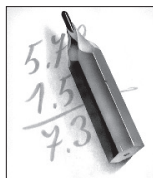
## Team Competitions

### Math Bowl

A Quick Thinking,  
Head-to-Head  
Double Elimination  
Tournament

$$\sin^2 \alpha + \cos^2 \alpha = 1$$

Trigonometry  
Homework Due  
next week



See your  
math teacher  
for details

# Math Day



## UNL Scholarships & Trophies

\$8,000 – 1st Place

\$4,000 – 2nd-5th Place

\$2,000 – 6th-10th Place

[www.math.unl.edu/programs/mathday](http://www.math.unl.edu/programs/mathday)

Sponsors: University of Nebraska-Lincoln's Department of Mathematics, College of Arts & Sciences

Math Day Scholarships are generously supported by the Eastman Memorial Scholarship and various UNL departments