

Math 1431  
Section 16679

Bekki George: rageorge@central.uh.edu

University of Houston

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Office Hours: Tuesdays & Thursdays 11:45-12:45  
(also available by appointment)

Office: 218C PGH

Course webpage: [www.casa.uh.edu](http://www.casa.uh.edu)

# Questions?

# Popper 18

- 1 Estimate  $f(4.2)$  if  $f(4) = 17$  and  $f'(x) = \frac{1}{\sqrt{x}}$ .

# Popper 18

- 2 Find the derivative of  $f(x) = \arcsin(3^x)$ .

# Popper 18

③  $\tan(\arcsin(3x)) =$

## Popper 18

- 1 Find the slope of the tangent line to  $f(x) = 2 \cosh(x - 5) + 3 \sinh(x - 5)$  at the point where  $x = 5$ .

# Popper 18

- 5 Find the maximum of  $x^2 - y^2$  given that  $x^2 + 9y^2 = 9$ .



# To Do

Review sections 3.6-5.3.

Work your review and take the PTs.

Email me questions to put in the notes.