

Tuesday - January 26, 2016

5.4 HW

P. 347

1-19 odd, 25-28,
37-71 odd, 79, 81

1/15

5.4 HW 2

P. 347

40 - 60 even

1/19

5.4 HW 3

P. 348

66-72 even

1/26

$$(65) \quad e^x - e^{-x} = 0$$

$$e^x = e^{-x}$$

$$x = -x$$

$$x = 0$$

$$(67) \quad g(x) = \frac{1}{\sqrt{2\pi}} e^{-\frac{(x-2)^2}{2}}$$

$$g'(x) = \frac{1}{\sqrt{2\pi}} e^{-\frac{(x-2)^2}{2}} \cdot (-x+2)$$

$$g'(x) = 0 \\ x = 2$$

$$g''(x) = -\frac{1}{\sqrt{2\pi}} e^{-\frac{(x-2)^2}{2}} + \frac{1}{\sqrt{2\pi}} e^{-\frac{(x-2)^2}{2}} \cdot (-x+2) \cdot (-x+2)$$

$$g''(x) = \frac{1}{\sqrt{2\pi}} e^{-\frac{(x-2)^2}{2}} [x^2 - 4x + 3]$$

$$g''(x) = 0 \\ (x-1)(x-3) = 0 \\ x = 1 \quad x = 3$$

Carson Newman
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Hiwassee
Johnson University
King College
LMU
Maryville
Pellissippi
Roane State
TN College of Applied Technology (TCAT) - Harriman
TCAT Jacksboro
TCAT Knoxville
TN Student Assistance Corp (TSAC)
TN Tech
TN Wesleyan
Tusculum
UT Chatt

UT Knox
Walter's State