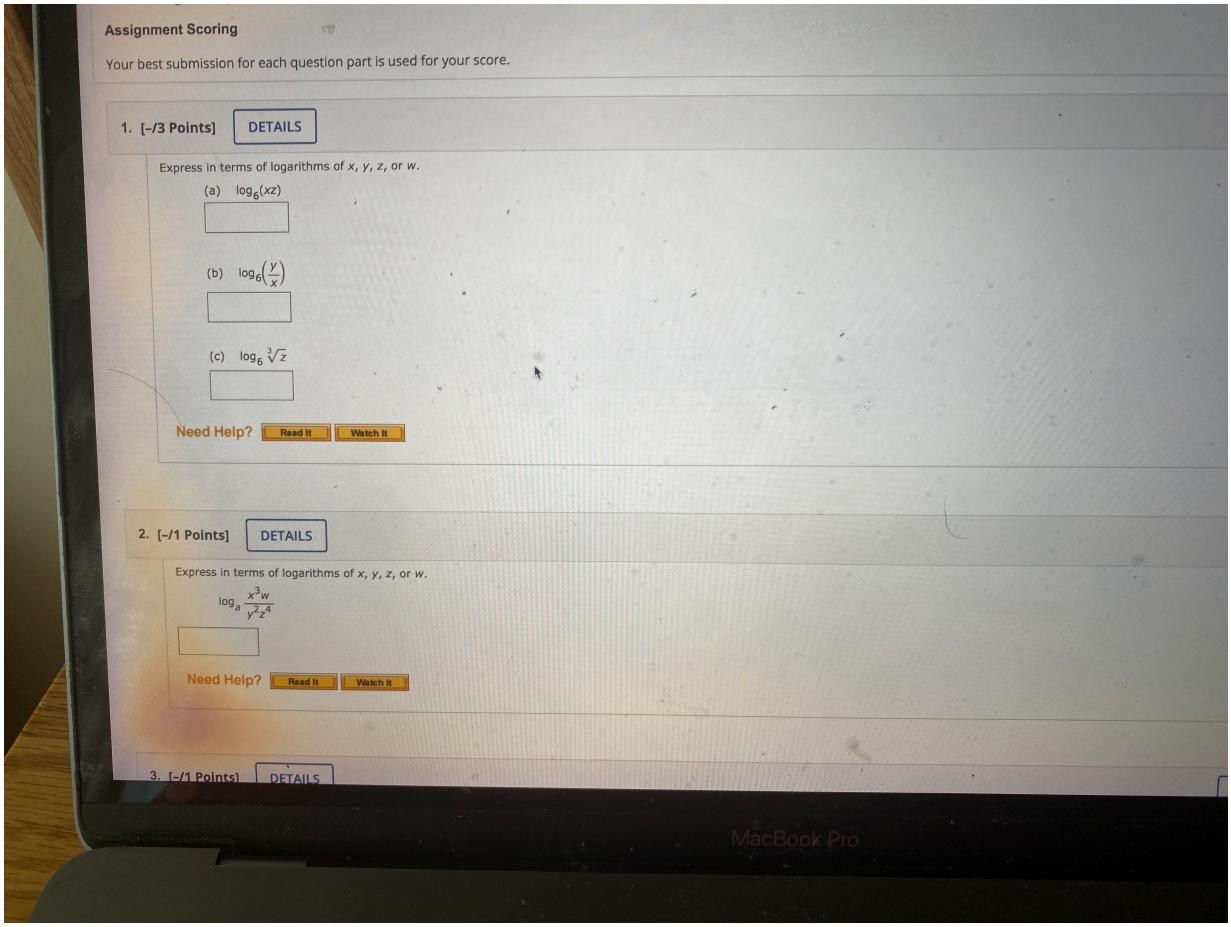
Assignment Scoring
Your best submission for each question part is used for your score.
1. [-/3 Points] DETAILS
Express in terms of logarithms of x, y, z, or w.
(a) $\log_6(xz)$
(b) $\log_6\left(\frac{y}{x}\right)$
(c) $\log_6 \sqrt[3]{z}$
Need Help? Read It Watch It
2. [-/1 Points] DETAILS
Express in terms of logarithms of x, y, z, or w.
$\log_a \frac{x^3 w}{y^2 z^4}$
Need Help? Read It Watch It
3. [-/1 Points] DETAILS
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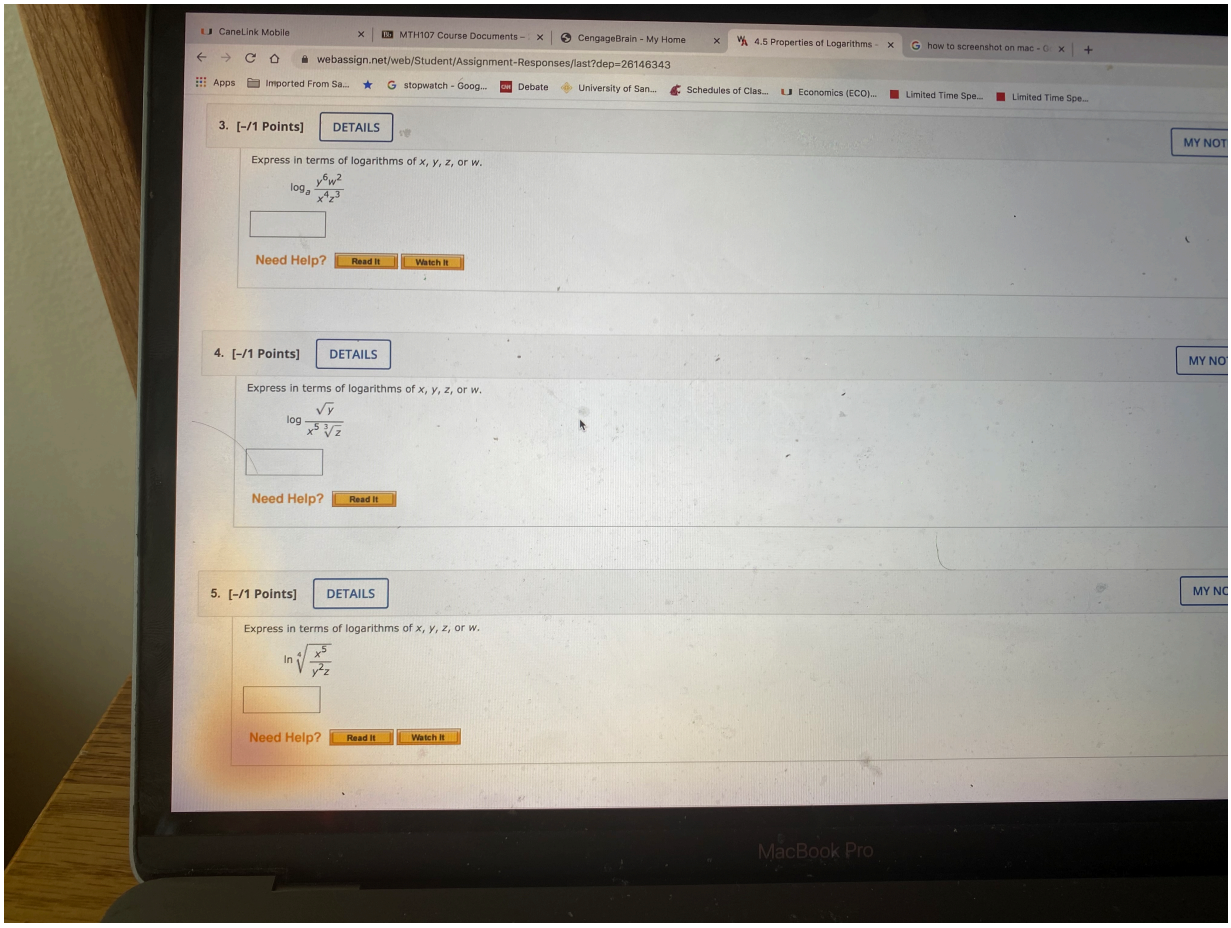
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3. [-/1 Points]
DETAILS
MY NOT
Express in terms of logarithms of x, y, z, or w.
$\log_a \frac{y^6 w^2}{x^4 z^3}$
Need Help?
Read It
Watch It
4. [-/1 Points]
DETAILS
MY NO
Express in terms of logarithms of x, y, z, or w.
$\log \frac{\sqrt{y}}{x^5 \sqrt[3]{z}}$
Need Help?
Read It
5. [-/1 Points]
DETAILS
MY NO
Express in terms of logarithms of x, y, z, or w.
$\ln \sqrt[4]{\frac{x^5}{y^2 z}}$
Need Help?
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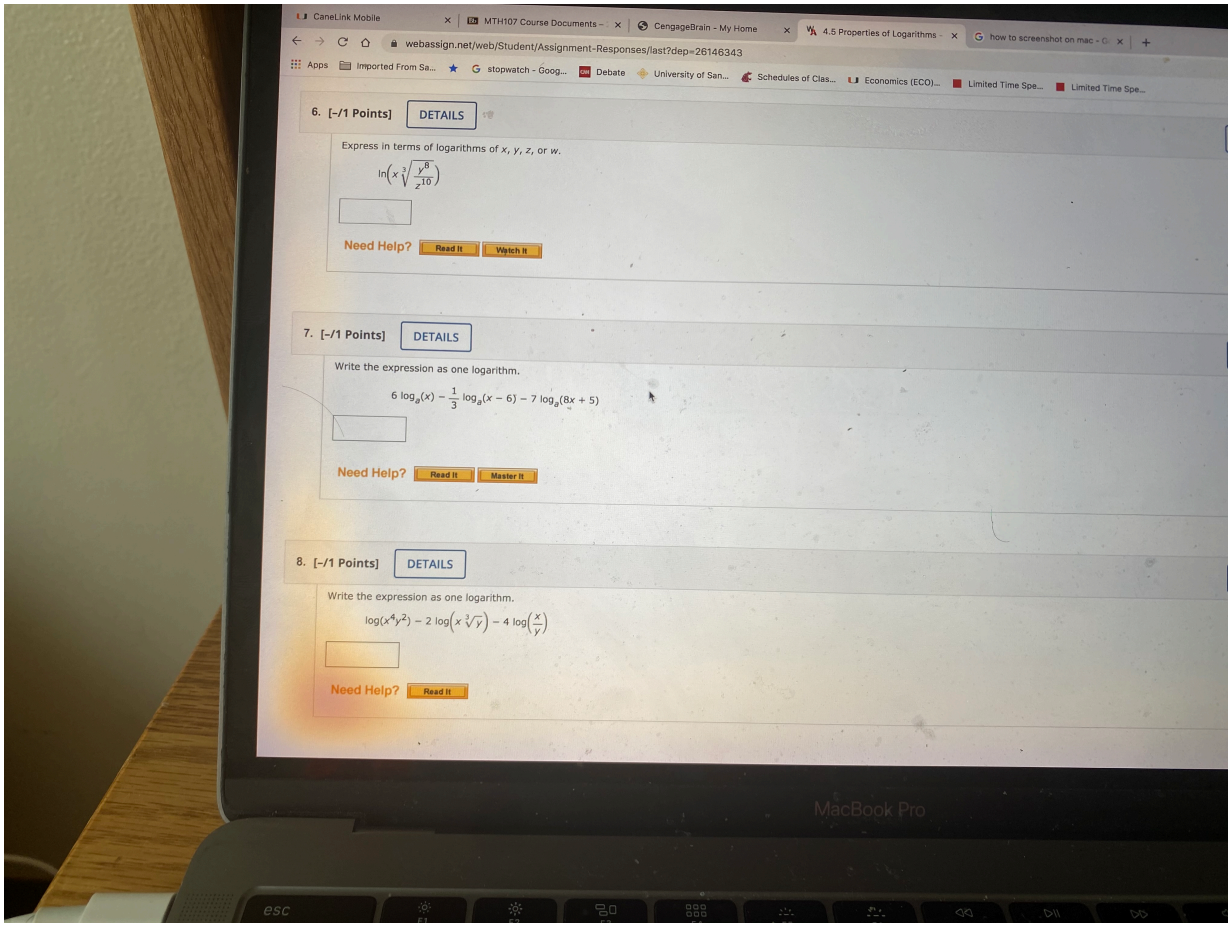
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6. [-/1 Points]
DETAILS
Express in terms of logarithms of x, y, z, or w.
$\ln\left(x\sqrt[3]{\frac{y^8}{z^{10}}}\right)$
Need Help?
Read It
Watch It
7. [-/1 Points]
DETAILS
Write the expression as one logarithm.
$6\log_a(x) - \frac{1}{3}\log_a(x-6) - 7\log_a(8x+5)$
Need Help?
Read It
Master It
8. [-/1 Points]
DETAILS
Write the expression as one logarithm.
$\log(x^4y^2) - 2\log\left(x\sqrt[3]{y}\right) - 4\log\left(\frac{x}{y}\right)$
Need Help?
Read It
MacBook Pro
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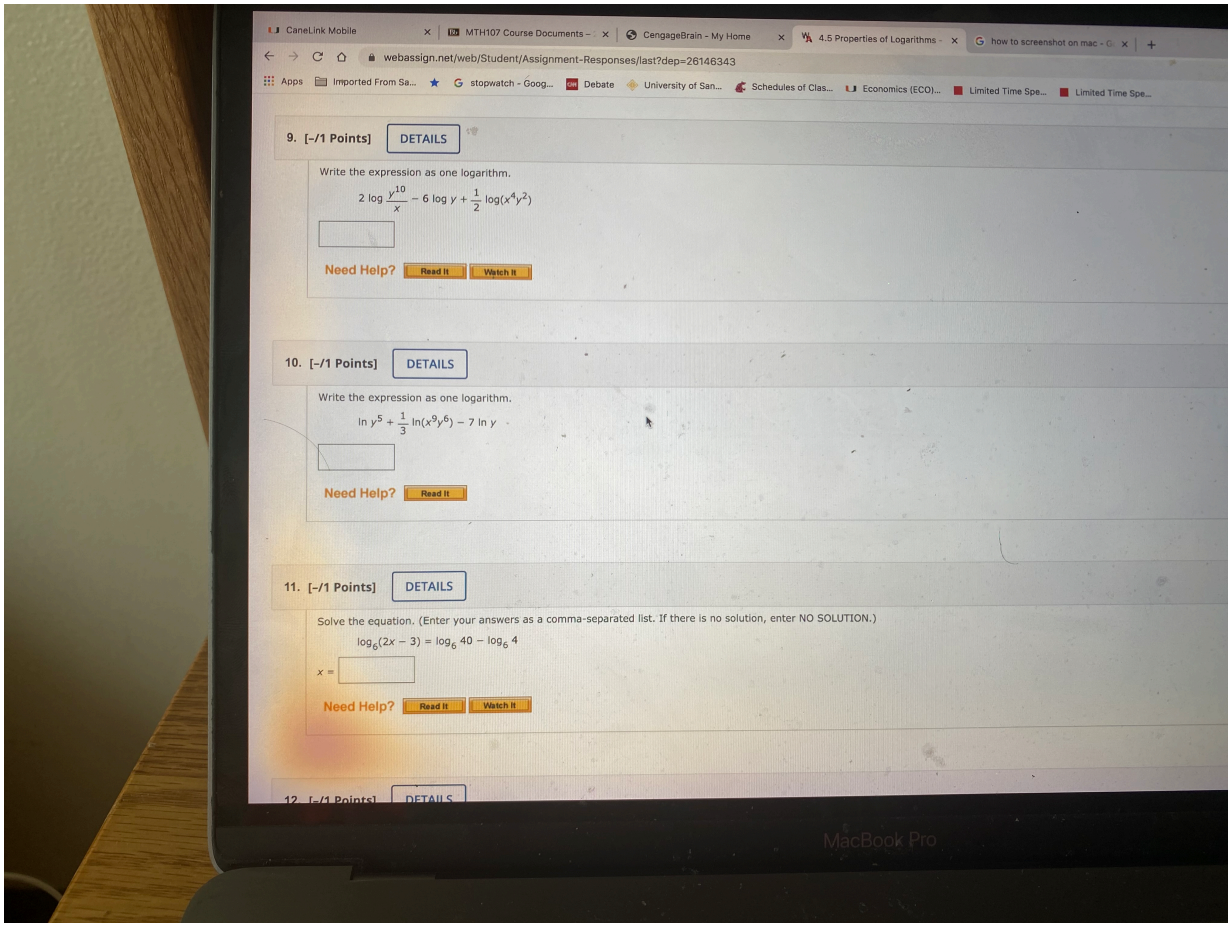
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9. [-/1 Points]
DETAILS
Write the expression as one logarithm.
$2 \log \frac{y^{10}}{x} - 6 \log y + \frac{1}{2} \log(x^4 y^2)$
Need Help?
Read It
Watch It
10. [-/1 Points]
DETAILS
Write the expression as one logarithm.
$\ln y^5 + \frac{1}{3} \ln(x^9 y^6) - 7 \ln y$
Need Help?
Read It
11. [-/1 Points]
DETAILS
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)
$\log_6(2x - 3) = \log_6 40 - \log_6 4$
$x =$
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Read It
Watch It
12. [-/1 Points]
DETAILS
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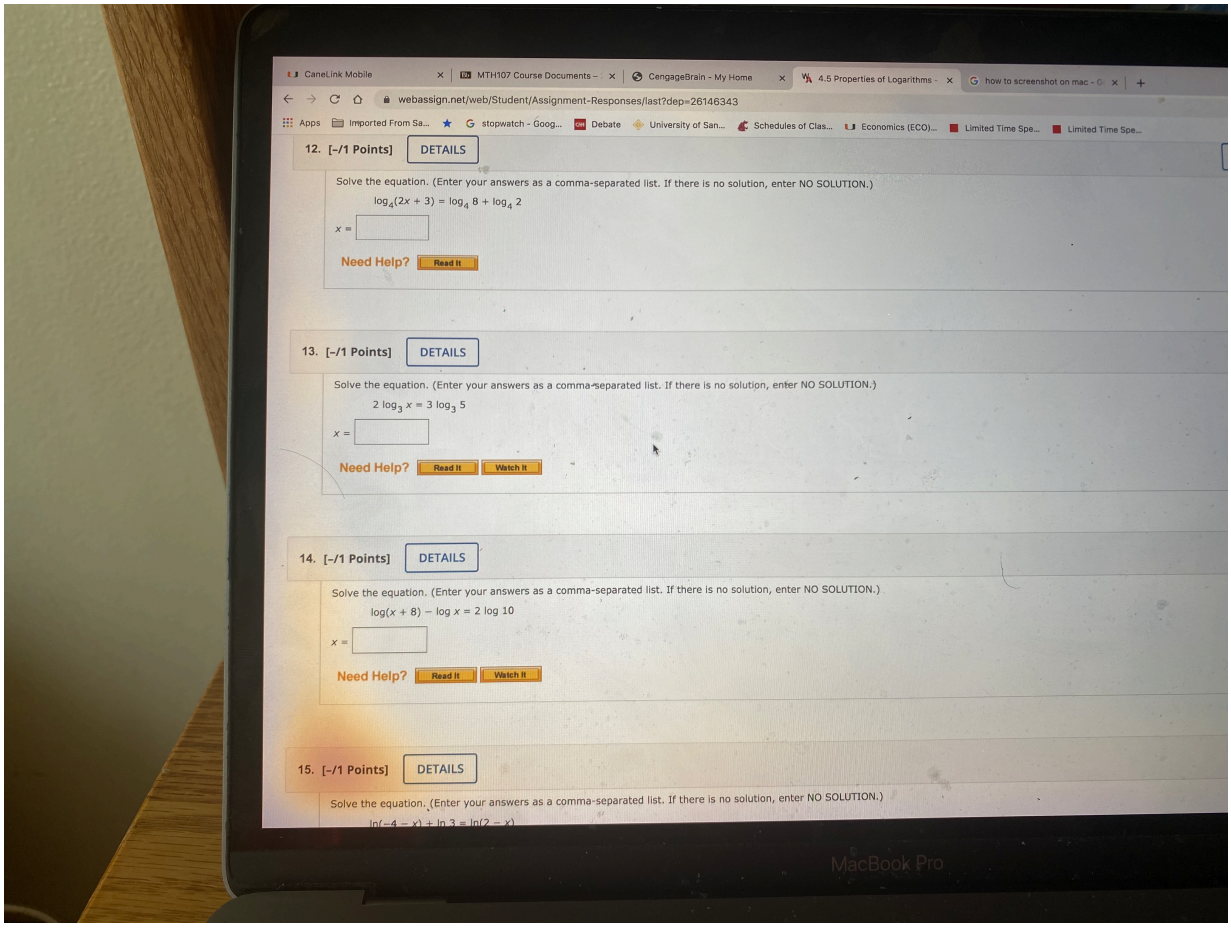
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12. [-/1 Points]
DETAILS
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)
$\log_4(2x + 3) = \log_4 8 + \log_4 2$
$x =$
Need Help?
Read It
13. [-/1 Points]
DETAILS
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)
$2 \log_3 x = 3 \log_3 5$
$x =$
Need Help?
Read It
Watch It
14. [-/1 Points]
DETAILS
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)
$\log(x + 8) - \log x = 2 \log 10$
$x =$
Need Help?
Read It
Watch It
15. [-/1 Points]
DETAILS
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)
$\ln(-4 - x) + \ln 3 = \ln(2 - x)$
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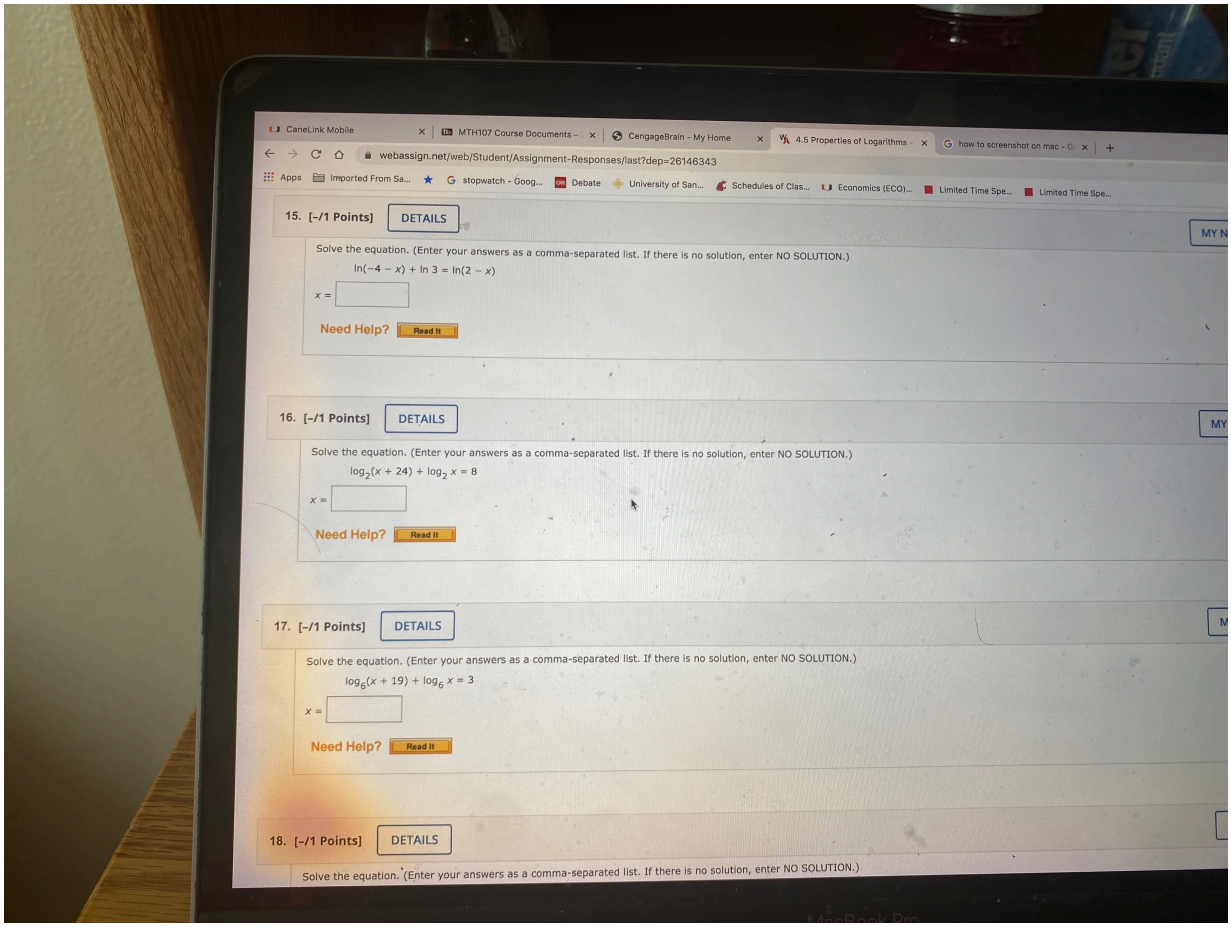
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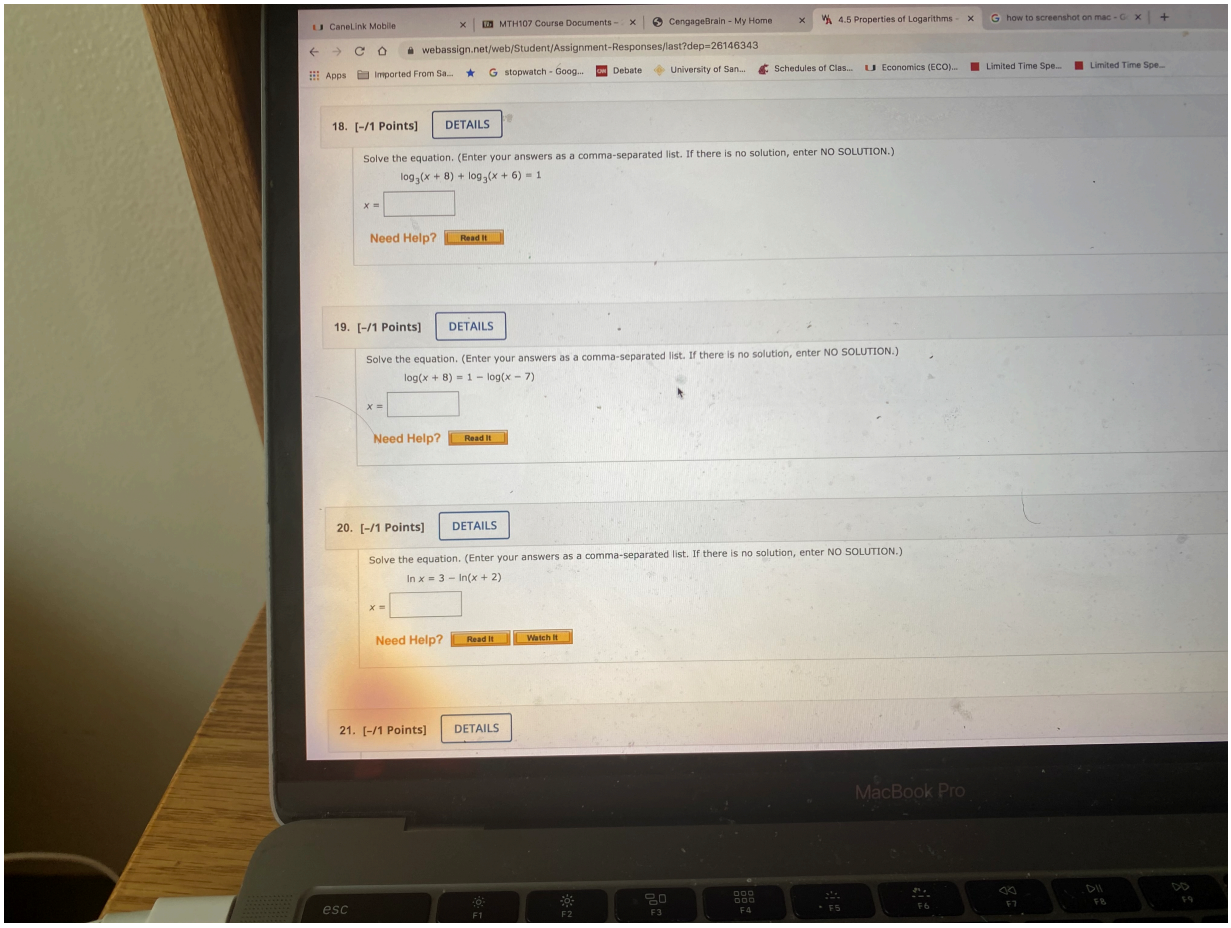
15. [–/1 Points]
DETAILS
MY N
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)
ln(−4 − x) + ln 3 = ln(2 − x)
x =
Need Help?
Read It
16. [–/1 Points]
DETAILS
MY
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)
log2(x + 24) + log2 x = 8
x =
Need Help?
Read It
17. [–/1 Points]
DETAILS
M
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)
log6(x + 19) + log6 x = 3
x =
Need Help?
Read It
18. [–/1 Points]
DETAILS
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)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18. [-/1 Points]
DETAILS
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)
log3(x + 8) + log3(x + 6) = 1
x =
Need Help?
Read It
19. [-/1 Points]
DETAILS
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)
log(x + 8) = 1 − log(x − 7)
x =
Need Help?
Read It
20. [-/1 Points]
DETAILS
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)
ln x = 3 − ln(x + 2)
x =
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Read It
Watch It
21. [-/1 Points]
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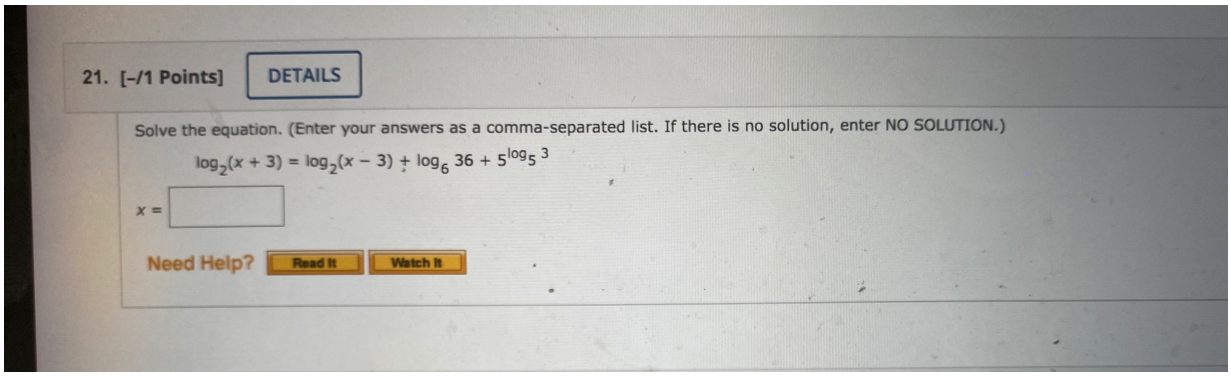
21. [-/1 Points]
DETAILS
Solve the equation. (Enter your answers as a comma-separated list. If there is no solution, enter NO SOLUTION.)
log2(x + 3) = log2(x − 3) + log6 36 + 5^(log5 3)
x =
Need Help?
Read It
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