

PRECALCULUS:

Homework
2/12-2/16

due: Tuesday: read pp. 555-558

1. pg. 559 / # 42, 46, 55
2. Find the eighth roots of 1.
3. Find the fourth root of $-8 + 8i\sqrt{3}$ which lies in the third quadrant.

on: Wednesday: test

due: Thursday: Simplify and/or evaluate:

- | | |
|---|--|
| 1. $(2^3)(3^2)$ | 6. $16^{-\frac{1}{2}}$ |
| 2. $3^4 \cdot 3^{-6}$ | 7. $8^{-\frac{1}{3}}$ |
| 3. $\left(\frac{4}{9}\right)^{\frac{1}{2}}$ | 8. $-27^{\frac{2}{3}}$ |
| 4. $16^{\frac{5}{4}}$ | 9. $32^{-\frac{3}{5}}$ |
| 5. $8^{\frac{2}{3}}$ | 10. $\left(-\frac{1}{8}\right)^{-\frac{1}{3}}$ |

Friday: : read pp. 839-843, 845-850

1. pg. 844 / #59, 62, 65
2. pg. 851 / #11, 32, 52, 64, 66, 74, 90

Monday: read pp. 852-855

pg. 856 / #37, 40, 48, 51, 55, 57, 59, 61