

Precalculus:

Homework
12/19-12/23

due: Tuesday:

pg. 452 / #51, 52, 56, 57, 59

Wednesday:

pg. 452 / #53, 55, 58, 60, 62

on: Wednesday: test

due: Friday: read pp. 463-466

1. pp. 468-469 / #3, 12, 19, 20, 28, 37, 42, 47
2. If $0 < x < \frac{\pi}{2} < y < \pi$, $\cos x = \frac{3}{5}$, and $\sin y = \frac{5}{13}$, find:
 - a. $\sin(x - y)$
 - b. $\cos(x + y)$
3. Prove: $\sin\left(\frac{\pi}{6} + x\right) = \cos\left(\frac{\pi}{3} - x\right)$

Tuesday: read pg. 467

1. pp. 468-469 / #2, 15, 16, 21, 22, 29, 40
2. If $0 < A < \frac{\pi}{2} < B < \pi$, $\sin A = \frac{3}{5}$, and $\sec B = -\frac{13}{12}$, find:
 - a. $\tan(A - B)$
 - b. $\csc(A + B)$
3. Prove: $\tan(2\pi - x) = -\tan(x)$