

Math 170
Tangent, Cotangent, Secant, Cosecant
Homework Part 1

Evaluate without using a calculator. Give exact values.

1. $\tan\left(\frac{\pi}{6}\right)$

2. $\sec\left(\frac{\pi}{4}\right)$

3. $\csc\left(\frac{\pi}{3}\right)$

4. $\tan\left(\frac{2\pi}{3}\right)$

5. $\sec\left(\frac{5\pi}{6}\right)$

6. $\csc\left(\frac{5\pi}{3}\right)$

7. $\tan\left(\frac{5\pi}{4}\right)$

8. $\sec\left(\frac{11\pi}{6}\right)$

9. $\tan\left(\frac{2\pi}{3}\right)$

10. $\csc\left(\frac{7\pi}{6}\right)$