

Handout 4: Using Sum and Difference Identities

Grab those reference triangles. You're going to need them!

Use sum and difference identities to find the following:

1. $\cos(165)$

6. $\sin(255)$

2. $\sin(195)$

7. $\sin(285)$

3. $\tan(75)$

8. $\cos(-15)$

4. $\tan\left(\frac{\pi}{12}\right)$

9. $\tan(-105)$

5. $\cos(195)$

10. $\tan\left(\frac{13\pi}{12}\right)$

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