

Trigonometry Worksheet 9

Use the addition and subtraction formulas and special reference triangles to solve the following problems.

1. $\sin(15^\circ)$

6. $\sin\left(\frac{\pi}{12}\right)$

2. $\sin(75^\circ)$

7. $\cos\left(\frac{5\pi}{12}\right)$

3. $\cos(15^\circ)$

8. $\cos(195^\circ)$

4. $\cos(75^\circ)$

9. Simplify $\sin(x - \pi)$

5. $\tan(165^\circ)$

10. Simplify $\cos\left(x - \frac{\pi}{2}\right)$