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

©2012 Shmoop University, Inc. All rights reserved. For classroom use only. Want to print this out for your classroom? Go for it. All other reproduction and distribution is prohibited.