

Class 10 Mathematics - Introduction to Trigonometry

Name: _____

Date: _____

Advanced Worksheet 3

Questions

1. If $\sin (A - B) = 1/2$ and $A > B$, find $A - B$.
2. If $\cos (A + B) = 1/2$ and $0^\circ < A + B \leq 90^\circ$, find $A + B$.
3. If $\tan (A + B) = \sqrt{3}$ and $\tan (A - B) = 1/\sqrt{3}$, find A and B .
4. If $A + B = 90^\circ$ and $A - B = 30^\circ$, find A and B .
5. If $\sin A = \cos A$, find A .
6. If $\tan A = 1$ and $0^\circ < A < 90^\circ$, find A .

Answer Key

1. 30°
2. 60°
3. $A = 45^\circ, B = 15^\circ$
4. $A = 60^\circ, B = 30^\circ$
5. 45°
6. 45°