

Transformation of Product into Sum or Difference

- $2\sin A \cos B = \sin(A+B) + \sin(A-B)$
- $2\cos A \sin B = \sin(A+B) - \sin(A-B)$
- $2\cos A \cos B = \cos(A+B) + \cos(A-B)$
- $2\sin A \sin B = \cos(A-B) - \cos(A+B)$