1. Trig. Identity

sin(a+b) = sin(a)\*cos(b) + cos(a)\*sin(b)

sinh(a+b) = sinh(a)\*cosh(b) + cosh(a)\*sinh(b)

sin(a)\*cos(b) = (sin(a+b) + sin(a-b))/2

2.

3.

4.

5. The dot product of two orthogonal functions or vectors is 0.

6. ;

7. cos(nx)=(-1)^n