Bitwise Operations Test

a = ?
 	
int orig = 0x1010;
int insert = 0x0006;
int a = orig | (insert << 4);
	a = ?
	
	int orig = 0x4040;
	int insert = 0x0003;
	int a = orig | (insert << 4);

OR = ?
 	
int orig = 0xB0B0;
int insert = 0x0004;
int a = orig | (insert << 4)
int b = orig | (insert << 8)
int OR = a | b;
	XOR = ?
	
	int orig = 0xE0E0;
	int insert = 0x0007;
	int a = orig | (insert << 8)
	int b = orig | (insert << 4)
	int XOR = a | b;

AND = ?
 	
int orig = 0x8080;
int insert = 0x000D;
int a = orig | (insert << 4)
int b = orig | (insert << 12)
int AND = a & b;
	cupcake = ?
	
	int i = 0xE0E0;
	int cupcake = i | (1 << 8);

result = ?
 	
long value1 = 0xE0E07070;
long value2 = 0xE00E7007;
int result = (value1 << 12) ^ (value2 >> 4);
	result = ?
	
	long value1 = 544;
	long value2 = 79;
	int result = (value1 << 12) ^ (value2 >> 4);

result = ?
 	
long value1 = 804;
long value2 = 415;
int result = (value1 << 4) ^ (value2 >> 12);
	result = ?
	
	long value1 = 73;
	long value2 = 361;
	int result = (value1 << 12) ^ (value2 >> 4);