Bitwise Operations Test - Answers

XOR = ?
 	
int orig = 0xE0E0;
int insert = 0x0002;
int a = orig | (insert << 4)
int b = orig | (insert << 8)
int XOR = a ^ b;
	OR = ?
	
	int orig = 0x8080;
	int insert = 0x000E;
	int a = orig | (insert << 4)
	int b = orig | (insert << 8)
	int OR = a ^ b;

result = ?
 	
long value1 = 0xAA002200;
long value2 = 0xA0A02020;
int result = (value1 << 8) ^ (value2 >> 4);
	result = ?
	
	long value1 = 0x30309090;
	long value2 = 0x33009900;
	int result = (value1 << 8) ^ (value2 >> 12);

result = ?
 	
long value1 = 116;
long value2 = 972;
int result = (value1 << 4) ^ (value2 >> 12);
	result = ?
	
	long value1 = 711;
	long value2 = 941;
	int result = (value1 << 4) ^ (value2 >> 8);

cupcake = ?
 	
int i = 0xB0B0;
int cupcake = i ^ (1 << 4);
	a = ?
	
	long testValue = 0xF0F05050;
	int a = 0;
	if (testValue & (1 << 4))
	{
	a = 1;
	}
	else
	{
	a = 2;
	}

a = ?
 	
long testValue = 0x55002200;
int a = 0;
if (testValue ^ testValue & (1 << 8))
{
a = 1;
}
else
{
a = 2;
}
	a = ?, result = ?
	
	long testValue = 0x60068008;
	int a = 0;
	if ((result = testValue | testValue & testValue
	^ (1 << 8)))
	{
	a = 1;
	}
	else
	{
	a = 2;
	}