Bitwise Operations Test - Answers

a = ?
 	
int orig = 0x8080;
int insert = 0x0001;
int a = orig ^ (insert << 8);
------ 	
a = 0x8180
	a = ?
	
	int orig = 0x6060;
	int insert = 0x0001;
	int a = orig | (insert << 12);
	------ 	
	a = 0x7060

XOR = ?
 	
int orig = 0xB0B0;
int insert = 0x000C;
int a = orig | (insert << 12)
int b = orig | (insert << 4)
int XOR = a ^ b;
	AND = ?
	
	int orig = 0xD0D0;
	int insert = 0x0001;
	int a = orig | (insert << 12)
	int b = orig | (insert << 8)
	int AND = a & b;

result = ?
 	
long value1 = 0xF00F8008;
long value2 = 0xFF008800;
int result = (value1 << 8) ^ (value2 >> 4);
	result = ?
	
	long value1 = 0x1001F00F;
	long value2 = 0x1010F0F0;
	int result = (value1 << 8) ^ (value2 >> 4);

result = ?
 	
long value1 = 690;
long value2 = 205;
int result = (value1 << 12) ^ (value2 >> 4);
	result = ?
	
	long value1 = 952;
	long value2 = 283;
	int result = (value1 << 4) ^ (value2 >> 8);

left = ?
 	
int i = 0x4040;
int left = i & (1 << 12);
	a = ?
	
	long testValue = 0x66009900;
	int a = 0;
	if (testValue & (1 << 8))
	{
	a = 1;
	}
	else
	{
	a = 2;
	}

a = ?
 	
``
long testValue = 0xD00D9009;
int a = 0;
if (testValue & testValue ^ (1 << 12))
{
a = 1;
}
else
{
a = 2;
}
``
	a = ?, result = ?
	
	``
	long testValue = 0xA00A4004;
	int a = 0;
	if ((result = testValue & testValue
		testValue
		^ (1 << 8)))
		{
		a = 1;
		}
		else
		{
		a = 2;
		}
		``