Bitwise Operations Test - Answers

a = ?
 	
int orig = 0x6486;
int insert = 0x00F9;
int a = orig | (insert << 6);
------ 	
a = 0x7EC6
	a = ?
	
	int orig = 0x4ED3;
	int insert = 0x00F9;
	int a = orig & (insert << 10);
	------ 	
	a = 0x4400

AND = ?
 	
int orig = 0x4B25;
int insert = 0x009E;
int a = orig | (insert << 13)
int b = orig | (insert << 11)
int AND = a | b;
	AND = ?
	
	int orig = 0x2545;
	int insert = 0x0099;
	int a = orig | (insert << 14)
	int b = orig | (insert << 11)
	int AND = a & b;

result = ?
 	
long value1 = 0x3F1D73EE;
long value2 = 0x4F766B71;
int result = (value1 << 1) ^ (value2 >> 7);
	result = ?
	
	long value1 = 0x9CFB19B1;
	long value2 = 0x2C024C61;
	int result = (value1 << 9) ^ (value2 >> 11);

result = ?
 	
long value1 = 2095;
long value2 = 7178;
int result = (value1 << 1) ^ (value2 >> 2);
	result = ?
	
	long value1 = 9430;
	long value2 = 7180;
	int result = (value1 << 11) ^ (value2 >> 10);

left = ?
 	
int i = 0xF63B;
int left = i & (1 << 2);
	a = ?
	
	long testValue = 0x100B8006;
	int a = 0;
	if (testValue & (1 << 9))
	{
	a = 1;
	}
	else
	{
	a = 2;
	}

a = ?
 	
``
long testValue = 0xB060E040;
int a = 0;
if (testValue & testValue | (1 << 2))
{
a = 1;
}
else
{
a = 2;
}
``
	a = ?, result = ?
	
	``
	long testValue = 0xC02060A0;
	int a = 0;
	if ((result = testValue | testValue & testValue
	^ (1 << 6)))
	{
	a = 1;
	}
	else
	{
	a = 2;
	}
	``