

3. Given the following Reduced-C definitions (similar to C++)

```
structdef S1 { int a; };
structdef S2 { int a; };

void foo1( int a ) { }
void foo2( S1 &a ) { }

typedef int T1;
typedef T1 T2;
typedef S1 T3;
typedef T3 T4;

S1 a;
S2 b;
T1 c;
T2 d;
T3 e;
T4 f;
float g;
```

indicate whether each of the following statements will cause a compiler error or not.

- A) Error
- B) No Error

```
a = e; _____          foo1( d ); _____
a = f; _____          foo1( g ); _____
a = b; _____          foo2( a ); _____
c = d; _____          foo2( f ); _____
c = g; _____          foo2( e ); _____
                           foo2( b ); _____
```

4. Using Reduced-C syntax, define a pointer to an array of 5 floats named foo such that

```
float x = 4.2;

(*foo)[4] = x;
x = (*foo)[4];
```

are valid expressions. This will take two lines of Reduced-C code.

5. In the following example

```
typedef int INT;
INT x;
```

What type of STO do you need to create for INT? _____

What type of STO do you need to create for x? _____