

```
A. @interface Complex: NSObject {  
B. double real;  
C. double imaginary;  
D. }  
E. -(Complex*) initWithReal: (double) r andImaginary: (double) i;  
F. -(void) setReal: (double) r andImaginary: (double) i;  
G. @property double real;  
H. @property double imaginary;  
I. @end
```

1. Explain what Line (A) in the above code accomplishes?
2. Explain what Line (B) in the above code accomplishes?
3. Explain what Line (C) in the above code accomplishes?
4. Explain what Line (E) in the above code accomplishes?
5. Explain what Line (F) in the above code accomplishes?
6. Explain what Line (G) in the above code accomplishes?
7. Explain what Line (H) in the above code accomplishes?
8. Explain what Line (I) in the above code accomplishes?

```
J. #import "Complex.h"
K. @implementation Complex
L. @synthesize real;
M. @synthesize imaginary;
N. - (Complex*) initWithReal: (double) r andImaginary: (double) i {
O.     self = [super init];
P.     if ( self ) { [self setReal: r andImaginary: i]; }
Q.     return self;
R. }
S. - (void) setReal: (double) r andImaginary: (double) i {
T.     real = r;
U.     imaginary = i;
V. }
W. return imaginary;
X. }
Y. @end
```

9. Explain what Line (J) in the above code accomplishes?

10. Explain what Line (K) in the above code accomplishes?

11. Explain what Line (L) in the above code accomplishes?

12. Explain what Line (M) in the above code accomplishes?

13. Explain what Line (N) in the above code accomplishes?

14. Explain what Line (O) in the above code accomplishes?

15. Explain what Line (P) in the above code accomplishes?

16. Explain what Line (Q) in the above code accomplishes?

17. Explain what Line (S) in the above code accomplishes?