11. Illustration 2: Which line declares an integer?
12 Illustration 2: Which line dealeres on arrow wit

- 12. Illustration 2: Which line declares an array with 10 elements?
- 13. Illustration 2: Which line calls foo with a copy of an integer?
- 14. Illustration 2: Which line calls foo with the address of an integer?
- 15. Illustration 2: Which line calls foo with the address of the first element of an array?
- 16. Illustration 2: Which line calls foo with the value of an element of an array?
- 17. Illustration 2: Which line calls foo with the address of an element of an array which is not the first element?
 - int foo(int boot[5]);
 int foo(int* boot);
 int foo(int boot[]);
 int foo (int x);
 int foo(int *x);
 int foo(int tire[3][5]);
 Illustration 3: Function prototypes
- 18. Illustration 3: What makes the lines a function prototype?
- 19. Illustration 3: Which line declares a single dimension integer array with an unnecessary dimension value?
- 20. Illustration 3: Which line declares a multi-dimension array?
- 21. Illustration 3: Which line declares an integer array without including dimension information?
- 22. Illustration 3: Which line declares that the function is receiving a copy of a value?
- 23. Illustration 3: Does line 1 declare an integer pointer?
- 24. Illustration 3: Does line 2 declare an integer pointer?
- 25. Illustration 3: Does line 3 declare an integer pointer?
- 26. Illustration 3: Can the integer pointer from line 2 be used with subscripts?
- 27. Illustration 3: Can the integer pointer from line 3 be used

1. Array
2. Array[3]
3. &Array[3]
4. *(&Array[3])
5. int Array[10];
6. int x;
7. int* px;
8. &x
9. *px
10. x
Illustration 1: Declarations and References

- 1. Illustration 1: Which line declares an array?
- 2. Illustration 1: Which line declares an integer?
- 3. Illustration 1: Which line declares an integer pointer?
- 4. Illustration 1: Which line gives the value of the fourth element of an array?
- 5. Illustration 1: Which line gives the address of the third subscripted value of an array?
- 6. Illustration 1: Which line specifies the value of an integer?
- 7. Illustration 1: Which line gives the pointer to the first element of an array?
- 8. Illustration 1: Which line gives the contents of the address of the fourth element of an array?
- 9. Illustration 1: Which line gives the address of an integer?
- 10. Which line dereferences (gives the contents) of an address given by an integer pointer?

int x;
 int cherry[10];
 foo(x);
 foo(&x);
 foo(cherry[3]);
 foo(cherry, 3);

7. foo(&cherry[3]);

Illustration 2: Function calls

with subscripts?

- 28. Illustration 3: Which line above declares an integer value?
- 29. Illustration 3: Could line 5 be used to declare an array?
- 30. Illustration 3: Could line 5 be used to declare the pointer to a single integer value?
- 31. Illustration 3: Which line is most useful to declare a reference to (the pointer to) a specific element of an integer array (such as &donut[4]) ?
- 32. Illustration 3: Which line is most useful to declare the value of a specific element of an integer array (such as donut[4]) ?
 - int foo(tube[])
 int foo(int x)
 int foo(int* px)
 int foo(int* tube, size) *Illustration 4: Function definintions*
- 33. Illustration 4: Which function definition lines can be called with the name of an array?
- 34. Illustration 4: Which function definition lines can be called with a copy of the original value?
- 35. Illustration 4: Which function definition can be called with an array value (like foo(array[3]);)?
- 36. Illustration 4: Which function definition can include the dimension property of an array?
- 37. Illustration 4: Which function definition can be called with the address of an integer value?
 - int boot [10];
 int x;
 y = foo(x);
 y = foo(boot[5]);
 y = foo(boot);
 y = foo(boot, 10);
 Illustration 5: Function calls
- 38. Illustration 5: Which line calls a function with the name of an array?

- 39. Illustration 5: Which line calls a function with a pointer to an array?
- 40. Illustration 5: Which line calls a function with dimension property of an array passed as an integer?
- 41. Illustration 5: Which line calls a function with a copy of an array element?
- 42. Illustration 5: Which line calls a function with the address of an integer?
- 43. Illustration 5: Which line calls a function with the copy of an integer value?
- 44. String is a data type in C? (TRUE or FALSE)
- 45. Strings are letters placed in character arrays ending with a null character (TRUE or FALSE)
- 46. Illustration 6: Which line declares a string (char array) with maximum 80 characters, initialized to a string?
- 47. Illustration 6: Which line just creates an array useful for 80 characters?

1.char sta[80];	
2.char text[80]="This is the value";	
3.char* ptext="Sample string";	
4.char output[120];	
5.puts(text);	
6.printf("%s",text);	
Illustration 6:	

- 48. Consider Illustration 6 line 5 outputs string array 'text' with a new line included? (TRUE or FALSE)
- 49. Consider Illustration 6 line 5, what does the calling argument supply to the function?(VALUE, or POINTER)
- 50. Consider Illustration 6 which line uses the string format specifier?
- 51. Consider Illustration 6 line 6, what does the second calling argument supply to the function?String (VALUE, or POINTER)
- 52. Consider Illustration 6 line 6, what does the first calling argument supply to the function? String (VALUE, or POINTER)

- 53. Consider Illustration 6 Which line creates a string of letters and stores them in array 'text'?
- 54. Consider Illustration 6 line 3 creates a string constant and stores what in ptext?(VALUE, or POINTER)
- 55. Illustration 6: Which string library function can move **'text'** to **'output'**?
- 56. Illustration 6: Which string library function can add **'ptext'** to **'output'**?
- 57. Illustration 6: Which string library function can add "this is more text" to **'output'**?
- 58. Illustration 6: Which string library function can tell how many characters are in **'text'**?