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Homework 5.

2. Evaluate the following expression. (2 ‘)

a. 3 \* 4 == 15-3 true

b. 2-15 / 3 >= 7 – 4 false

c. ‘d’ >= ‘F’ false

d. ‘T’ <= ‘s’ true

d. ‘#’ <= ‘\*’ true;

f. 8.5 / 2 – 1.3 < 4.0 \* 0.7 + 1.2 true

3. Suppose that x, y, and z are int variables and x = 12, y = 34, and z = 18. Determine whether the following expression evaluate to true or false (2.5).

a. ! ( x – y >=1) = false

b. z <= 7 || y < 12 true

c . (x + y != 40) && ( x != z) true

d. ( z – x >= y) || (y-x != z +4) false

e. (5-x <= 2 \* y ) && (y-15 >= z) || (x-5 != y -2 \* z ) true

4. Suppose that str1, str2, and str3 are string varialbes, and str1 = “Stop”, str2 = “Running” and str3 = “Physics”.

1. Str1 <= str3 true
2. Str1 != “Stop” false
3. Str2 < str1 true
4. Str3 >= “chemistry” true
5. Str3 >= “Run” true

5. Suppose that x, y, z and w are int variable and x = 25, y = 3, z = 12, and w = 4. What is the output of the following statements? (2,5)

a. cout << “x==z” “ << (x==z) <<endl; Answer = 0

b. cout << ‘y != z – 9 + 10 :“<<(y != z -9 ) <<endl; Answer is = 0;

c. cout << “ x-y == z + 10: “ << ( x-y == z + 10 ) <<endl; Answer = 1

d. cout << “!(z < w) : “<< !(z <w) <<endl; Answer is 1;

e. cout << “w-y” < x-2 \* z :” << (w-y < x-2 \* z)<<endl; Answer is = 0

6. Which of the following are relational operators?

a. >, b. == c. =, d. !=, e. <>

a and e are the relational operator.

b,c and d are relational operators