Operations

1. Find the solution of these equations (don't forget the priorities)

   - 8*-3+(8+3*(6-2))/4*2 = -14

   - 5%6-19+(54%7+9)/2 = -7

   - 7^2-17-3*25-15%4/$\sqrt[3]{27}$=

2. Back to ASCII code, Find the solution of these equations (don't forget the priorities).

1) B>T == D<Y

2) D<g && R

3) M ≤ a

3. Assume that a = 10 , b = a – 5 :

a. a ≤ b

b. a > b

c. a*b<=b^2 * 2

4. Assume that a = 11 , b = 14 , c = b % a :

Does c ≥ b?

Does c^2 == b-5?

5. Assuming x = 5, y = 6, z = 8, indicate whether each of the following relational expressions is true or false:

   A) x == 5
   B) 7 <= (x+2)
   C) (2+x) != y
   D) x >= 9
   E) x <= (y*2)

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6. Assuming x=10 y=28 a =15 b=20

If x<y && a==b let b=0

If x<y || a==b let b= 10

if x-1 || b let b = 100

Write b value after each statement

7. Assume the variables a = 2, b = 4, and c = 6. Determine whether each of the following conditions is True or False:

A) a == 4 || b > 2
B) 6 <= c && a > 3
C) 1 != b && c != 3
D) a >= -1 || a <= b
E) !(a>2)

8. Assume the variables x=20, y=10 write x and y values after each statement:
   - If x < 30 && y > 30 → x*=2 and y/=2

   - If x<30 || y< 30 → x = y / x

If !(x/2<y||x*2<y) → x = y *2