Question

if U=2 , V=3 , W=5 , X=5 and y=11 what is the value of each of the following expressions, assuming int variables?
1) U+V*W+X
2) U+Y%V*W+X
3) U+W / V+U*V

Solution

If U=2 , V=3 , W=5 , X=5 and y=11, then

1) U+V*W+X = 2+3*5+5 = 2+15+5 =(2+15)+5=17+5= 22.

2) U+Y%V*W+X = 2+11%3*5+5 = 2+2*5+5 =2+10+5 = (2+10)+5=12+5=17.

3) U+W / V+U*V = 2+5/3+2*3 = 2+$\frac{5}{3}$+6=(2+6)+$\frac{5}{3}$ = $8 + \frac{5}{3} = \frac{8\cdot3+5}{3} = \frac{24+5}{3} = \frac{29}{3}$.

Answer: **1)** 22; **2)** 17; **3)** $\frac{29}{3}$.