Evaluating Expressions (E)

Evaluate each expression using the values given.

1. $8+u+x+3\cdot 7$
   $(x=1, u=4)$

2. $\left(6+y^2\right)\div(ay)$
   $(y=5, a=5)$

3. $v\div(z-v)\div(c+z)$
   $(c=1, z=9, v=7)$

4. $(7-a\div 4)\cdot v\cdot v$
   $(a=10, v=2)$

5. $(1+z)\cdot 2\div 6\cdot z$
   $(z=6)$

6. $9\div\left(2^2\div b\right)^2$
   $(b=6)$

7. $v\cdot(z-u)\div 6\div 8$
   $(z=4, u=3, v=10)$

8. $v\cdot(y\,(10-c))^2$
   $(y=10, c=10, v=3)$

9. $(b-b+5+4)\cdot 9$
   $(b=10)$

10. $c+x-3\div x\cdot x$
    $(x=10, c=7)$

Evaluating Expressions (E) Answers

Evaluate each expression using the values given.

1. $8+u+x+3\cdot 7$
$(x=1, u=4)$
$=34$

2. $\left(6+y^2\right)\div(ay)$
$(y=5, a=5)$
$=\frac{31}{25}$

3. $v\div(z-v)\div(c+z)$
$(c=1, z=9, v=7)$
$=\frac{7}{20}$

4. $(7-a\div 4)\cdot v\cdot v$
$(a=10, v=2)$
$=18$

5. $(1+z)\cdot 2\div 6\cdot z$
$(z=6)$
$=14$

6. $9\div\left(2^2\div b\right)^2$
$(b=6)$
$=\frac{81}{4}$

7. $v\cdot(z-u)\div 6\div 8$
$(z=4, u=3, v=10)$
$=\frac{5}{24}$

8. $v\cdot(y(10-c))^2$
$(y=10, c=10, v=3)$
$=0$

9. $(b-b+5+4)\cdot 9$
$(b=10)$
$=81$

10. $c+x-3\div x\cdot x$
$(x=10, c=7)$
$=14$