Evaluating Expressions (B)

Evaluate each expression using the values given.

1. $(u \div u)^3 (8 - (u - u))$
   $(u = 10)$

2. $(y - c)^3 - (c \div c - 1)$
   $(y = 8, c = 4)$

3. $b - y\left(y^4 - b\right) - 7$
   $(y = 2, b = 7)$

4. $(xy + x) \div (x - 9) \div y$
   $(y = 4, x = 10)$

5. $6^2 - (8 + 7 - 5 \div y)$
   $(y = 5)$

6. $9 \cdot 2 + v - (a + v - v)$
   $(a = 1, v = 6)$

7. $(7 + 2 - 1 - z) \div (2v)$
   $(z = 8, v = 5)$

8. $4x - z \div (1 + 7) + 2$
   $(x = 5, z = 6)$

9. $x - (b - x)^3 \cdot b^4$
   $(x = 8, b = 8)$

10. $9 \div (9 \cdot 6 \div c) \cdot z \div x$
    $(x = 10, c = 10, z = 10)$

Evaluating Expressions (B) Answers

Evaluate each expression using the values given.

1. $(u \div u)^3 (8 - (u - u))$
   $(u = 10)$
   $= 8$

2. $(y - c)^3 - (c \div c - 1)$
   $(y = 8, c = 4)$
   $= 64$

3. $b - y\left(y^4 - b\right) - 7$
   $(y = 2, b = 7)$
   $= 38$

4. $(xy + x) \div (x - 9) \div y$
   $(y = 4, x = 10)$
   $= \frac{25}{2}$

5. $6^2 - (8 + 7 - 5 \div y)$
   $(y = 5)$
   $= 22$

6. $9 \cdot 2 + v - (a + v - v)$
   $(a = 1, v = 6)$
   $= 23$

7. $(7 + 2 - 1 - z) \div (2v)$
   $(z = 8, v = 5)$
   $= 0$

8. $4x - z \div (1 + 7) + 2$
   $(x = 5, z = 6)$
   $= \frac{85}{4}$

9. $x - (b - x)^3 \cdot b^4$
   $(x = 8, b = 8)$
   $= 8$

10. $9 \div (9 \cdot 6 \div c) \cdot z \div x$
    $(x = 10, c = 10, z = 10)$
    $= \frac{5}{3}$