Evaluating Expressions (A)

Evaluate each expression using the values given.

1. $(u - u \div (8 - x)) \cdot 7 - u$
   $(x = 4, u = 6)$

2. $b + 3 + 2 - z + 8 - b$
   $(b = 8, z = 1)$

3. $3 \div 1\,(u + 1 \div 6 + a)$
   $(a = 6, u = 3)$

4. $(x - c) \div (4 \div (4 \cdot 3)) - 4$
   $(x = 9, c = 5)$

5. $10 \div (6 \div (a \cdot a)) \cdot a \div 9$
   $(a = 3)$

6. $(2 - v) \div (10 \div y \cdot 3) \div 5$
   $(y = 8, v = 2)$

7. $v \cdot v - y + cy \cdot 5$
   $(y = 1, c = 7, v = 3)$

8. $(z - 7) \div (9 - (4 - 3) \cdot 7)$
   $(z = 10)$

9. $x - 7 + y\,(x - (y - 7))$
   $(y = 7, x = 7)$

10. $(x - 6 \div 2) \div (c \cdot c) \cdot 2$
    $(x = 8, c = 6)$

Evaluating Expressions (A) Answers

Evaluate each expression using the values given.

1. $(u - u \div (8 - x)) \cdot 7 - u$
   $(x = 4, u = 6)$
   $= \frac{51}{2}$

2. $b + 3 + 2 - z + 8 - b$
   $(b = 8, z = 1)$
   $= 12$

3. $3 \div 1\,(u + 1 \div 6 + a)$
   $(a = 6, u = 3)$
   $= \frac{55}{2}$

4. $(x - c) \div (4 \div (4 \cdot 3)) - 4$
   $(x = 9, c = 5)$
   $= 8$

5. $10 \div (6 \div (a \cdot a)) \cdot a \div 9$
   $(a = 3)$
   $= 5$

6. $(2 - v) \div (10 \div y \cdot 3) \div 5$
   $(y = 8, v = 2)$
   $= 0$

7. $v \cdot v - y + cy \cdot 5$
   $(y = 1, c = 7, v = 3)$
   $= 43$

8. $(z - 7) \div (9 - (4 - 3) \cdot 7)$
   $(z = 10)$
   $= \frac{3}{2}$

9. $x - 7 + y\,(x - (y - 7))$
   $(y = 7, x = 7)$
   $= 49$

10. $(x - 6 \div 2) \div (c \cdot c) \cdot 2$
    $(x = 8, c = 6)$
    $= \frac{5}{18}$