

Simplifying Expressions (J)

Simplify each expression.

1. $ux \cdot \frac{5x^2}{5 \cdot x^2}$

6. $\frac{6}{6} + 2az + 6a$

2. $8xz + \frac{6xz}{-1} - 10$

7. $4z \cdot 3c + 1 + 2cz$

3. $10bu \cdot 7b \cdot u + 10$

8. $a \cdot 7a + 3 \cdot a$

4. $z + \frac{vz}{-v} + 5z$

9. $u \cdot (-8) \cdot (-u) \cdot (-10u)$

5. $2bu \cdot (-bu) \cdot b^2 \cdot 5b$

10. $-v^2 - 9 + z + 1$

Simplifying Expressions (J) Answers

Simplify each expression.

$$1. \quad ux \cdot \frac{5x^2}{5 \cdot x^2} \\ = ux$$

$$6. \quad \frac{6}{6} + 2az + 6a \\ = 2az + 6a + 1$$

$$2. \quad 8xz + \frac{6xz}{-1} - 10 \\ = 2xz - 10$$

$$7. \quad 4z \cdot 3c + 1 + 2cz \\ = 14cz + 1$$

$$3. \quad 10bu \cdot 7b \cdot u + 10 \\ = 70b^2u^2 + 10$$

$$8. \quad a \cdot 7a + 3 \cdot a \\ = 7a^2 + 3a$$

$$4. \quad z + \frac{vz}{-v} + 5z \\ = 5z$$

$$9. \quad u \cdot (-8) \cdot (-u) \cdot (-10u) \\ = -80u^3$$

$$5. \quad 2bu \cdot (-bu) \cdot b^2 \cdot 5b \\ = -10b^5u^2$$

$$10. \quad -v^2 - 9 + z + 1 \\ = -v^2 + z - 8$$