

Simplifying Expressions (B)

Simplify each expression.

1. $-a + a + a^2 + a^2$

6. $2 - \frac{y^3}{y^2} + y^2$

2. $1 + 5b + by - 1$

7. $-\frac{by^3}{by} + 5 - 4b$

3. $-u + ux - \frac{7u^2}{7u^2}$

8. $6uv + u^2 - 1 - uv$

4. $6 + uv \cdot 6uv \cdot (-6)$

9. $-1 + 7bv + 7 + 6$

5. $v \cdot 8v + 8c \cdot cv$

10. $9x \cdot 2 + \frac{40}{5}$

Simplifying Expressions (B) Answers

Simplify each expression.

$$1. -a + a + a^2 + a^2 \\ = 2a^2$$

$$6. 2 - \frac{y^3}{y^2} + y^2 \\ = y^2 - y + 2$$

$$2. 1 + 5b + by - 1 \\ = by + 5b$$

$$7. -\frac{by^3}{by} + 5 - 4b \\ = -y^2 - 4b + 5$$

$$3. -u + ux - \frac{7u^2}{7u^2} \\ = ux - u - 1$$

$$8. 6uv + u^2 - 1 - uv \\ = 5uv + u^2 - 1$$

$$4. 6 + uv \cdot 6uv \cdot (-6) \\ = -36u^2v^2 + 6$$

$$9. -1 + 7bv + 7 + 6 \\ = 7bv + 12$$

$$5. v \cdot 8v + 8c \cdot cv \\ = 8c^2v + 8v^2$$

$$10. 9x \cdot 2 + \frac{40}{5} \\ = 18x + 8$$