

Simplifying Expressions (C)

Simplify each expression.

1. $8 \cdot \left(-\frac{5c^4}{-c^2} \right)$

6. $9a - \frac{9a^2}{-9a}$

2. $\frac{72v}{-9v} + 10v$

7. $b^2 + 8b + b$

3. $-v - v^2 - 4v^2$

8. $a - 1 + a$

4. $-a^2 \cdot a^2 \cdot (-a)$

9. $9v \cdot \left(-\frac{8v^3}{-8v} \right)$

5. $2u \cdot 8 + 8u^2$

10. $1 - 9x + 3x$

Simplifying Expressions (C) Answers

Simplify each expression.

$$1. 8 \cdot \left(-\frac{5c^4}{-c^2} \right) \\ = 40c^2$$

$$6. 9a - \frac{9a^2}{-9a} \\ = 10a$$

$$2. \frac{72v}{-9v} + 10v \\ = 10v - 8$$

$$7. b^2 + 8b + b \\ = b^2 + 9b$$

$$3. -v - v^2 - 4v^2 \\ = -5v^2 - v$$

$$8. a - 1 + a \\ = 2a - 1$$

$$4. -a^2 \cdot a^2 \cdot (-a) \\ = a^5$$

$$9. 9v \cdot \left(-\frac{8v^3}{-8v} \right) \\ = 9v^3$$

$$5. 2u \cdot 8 + 8u^2 \\ = 8u^2 + 16u$$

$$10. 1 - 9x + 3x \\ = -6x + 1$$