

Simplifying Expressions (I)

Simplify each expression.

1. $c^2 \cdot c^2 \cdot 5c$

6. $-a^2 \cdot (-1) \cdot a$

2. $-1 \cdot (-v) \cdot (-v^2)$

7. $3b \cdot 2b \cdot (-b)$

3. $7c \cdot \left(-\frac{2c^3}{-c^2}\right)$

8. $-\frac{2v^3}{2v} \cdot 2v$

4. $-\frac{504u^4}{8u \cdot 7u}$

9. $8x \cdot x \cdot x^2$

5. $2 \cdot \left(-\frac{10y^3}{-10y^2}\right)$

10. $7 \cdot \frac{y^4}{y^2}$

Simplifying Expressions (I) Answers

Simplify each expression.

$$1. c^2 \cdot c^2 \cdot 5c \\ = 5c^5$$

$$6. -a^2 \cdot (-1) \cdot a \\ = a^3$$

$$2. -1 \cdot (-v) \cdot (-v^2) \\ = -v^3$$

$$7. 3b \cdot 2b \cdot (-b) \\ = -6b^3$$

$$3. 7c \cdot \left(-\frac{2c^3}{-c^2} \right) \\ = 14c^2$$

$$8. -\frac{2v^3}{2v} \cdot 2v \\ = -2v^3$$

$$4. -\frac{504u^4}{8u \cdot 7u} \\ = -9u^2$$

$$9. 8x \cdot x \cdot x^2 \\ = 8x^4$$

$$5. 2 \cdot \left(-\frac{10y^3}{-10y^2} \right) \\ = 2y$$

$$10. 7 \cdot \frac{y^4}{y^2} \\ = 7y^2$$