

Simplifying Expressions (F)

Simplify each expression.

1. $z - z + 1 + 10z$

6. $4c + \frac{2c^2}{2c^2} - 1$

2. $\frac{42y}{7y} + y + 9$

7. $\frac{5v^3}{v^2} + v^2 + v$

3. $1 + 6x^2 - 2x + 1$

8. $-1 - \frac{10z^3}{z} + 7z$

4. $4 - 7 + a + 3$

9. $u + 5u + 8u + 5$

5. $\frac{8a^3}{a^2} - \frac{a^3}{-a}$

10. $x^2 + x - x + 1$

Simplifying Expressions (F) Answers

Simplify each expression.

$$1. z - z + 1 + 10z \\ = 10z + 1$$

$$6. 4c + \frac{2c^2}{2c^2} - 1 \\ = 4c$$

$$2. \frac{42y}{7y} + y + 9 \\ = y + 15$$

$$7. \frac{5v^3}{v^2} + v^2 + v \\ = v^2 + 6v$$

$$3. 1 + 6x^2 - 2x + 1 \\ = 6x^2 - 2x + 2$$

$$8. -1 - \frac{10z^3}{z} + 7z \\ = -10z^2 + 7z - 1$$

$$4. 4 - 7 + a + 3 \\ = a$$

$$9. u + 5u + 8u + 5 \\ = 14u + 5$$

$$5. \frac{8a^3}{a^2} - \frac{a^3}{-a} \\ = a^2 + 8a$$

$$10. x^2 + x - x + 1 \\ = x^2 + 1$$