Simplifying Expressions (H)

Simplify each expression.

1. $-v^2 - 4v^2 + 1 - 2$

2. $y \cdot \left(-7y^2\right) \cdot \dfrac{10y^2}{-10}$

3. $-\dfrac{56x}{7} - 10x^2 + 1$

4. $\dfrac{y^2}{-1} + 4y^2 - y$

5. $u^2 + \dfrac{49}{7} - 8u^2$

6. $10z \cdot (-z) \cdot z + 7z^2$

7. $-8 - 1 + y + y$

8. $2u + \dfrac{4}{4} - u^2$

9. $u + 1 - u^2 + u^2$

10. $-10 + 8c^2 + 4c + 2c^2$

Simplifying Expressions (H) Answers

Simplify each expression.

1. $-v^2 - 4v^2 + 1 - 2$
$= -5v^2 - 1$

2. $y \cdot (-7y^2) \cdot \dfrac{10y^2}{-10}$
$= 7y^5$

3. $-\dfrac{56x}{7} - 10x^2 + 1$
$= -10x^2 - 8x + 1$

4. $\dfrac{y^2}{-1} + 4y^2 - y$
$= 3y^2 - y$

5. $u^2 + \dfrac{49}{7} - 8u^2$
$= -7u^2 + 7$

6. $10z \cdot (-z) \cdot z + 7z^2$
$= -10z^3 + 7z^2$

7. $-8 - 1 + y + y$
$= 2y - 9$

8. $2u + \dfrac{4}{4} - u^2$
$= -u^2 + 2u + 1$

9. $u + 1 - u^2 + u^2$
$= u + 1$

10. $-10 + 8c^2 + 4c + 2c^2$
$= 10c^2 + 4c - 10$