

Date: ___/___/_____

Period: ___

Name: _____

Challenge Equation Practice

Answer each question carefully!!!

$$1. \quad -5(-2d - 2) + 5d - 5d - 4d = -2 + 4(-d - 2) + 5(-2d + 4)$$

$$2. \quad 3(-2i + 1) - (-i - 1) + 4(-3i - 3) = 4(2i + 4) - 1 - 4(3i - 4)$$

$$3. \quad 3(-j + 2) - 5j + 5(2j - 5) = 3 - 2(-5j - 3) + 5(-j - 2)$$

$$4. \quad 4(-u - 3) - 2 - (2u + 3) = -3u - 3(-4u - 1) + 5(-3u - 4)$$

$$5. \quad -3c + 2c + 2c + 5(2c - 1) = -2(-2c + 5) + 5c$$

$$6. \quad -5p + 3p + 5p - 2(4p + 2) = 4(-p - 1) - 3p$$

$$7. \quad 4 + 2(-5c - 2) - 4(-5c + 3) = 4 + 5(-c - 2) - 5(-c + 3) + 5$$

$$8. \quad 2y - (3y - 5) + 2(-2y - 2) = -y + 4(-y + 4)$$

$$9. \quad -4u - 4(-5u - 1) + 2(-2u - 4) = 4(5u + 5) - 5u$$

$$10. \quad -5 + 4(3u - 1) - 2 - (-3u + 3) = -4(-3u - 4) - 5u + 3u - u$$

1. $d = 0$
2. $i = -3$
3. $j = -6$
4. All real numbers
5. $c = -5/2$
6. $p = 0$
7. $c = -2/5$
8. No solution
9. $u = -8$
10. $u = 5$