

Commutative and Associative Properties Worksheet

Harry Potter and the Order of the Operations

1. Use the commutative property of addition to write an equivalent expression to $3x - 2y$.
2. Use the associative property of addition to write an equivalent expression to $7a + (2y - 6)$.
3. Use the commutative property of multiplication to write an equivalent expression to $(2w)(3l)$.
4. Use the associative property of multiplication to write an equivalent expression to $2w(yz)$.
5. Use the commutative property of addition to write an equivalent expression to $7a - 2b + 2$.
6. Use the commutative property of multiplication to write an equivalent expression to $20x^2z$.
7. Use the associative property of addition to write an equivalent expression to $3x + (by - c) + (2c + 1)$.
8. Use the associative property of multiplication to write an equivalent expression to $(8lw)(wx)(xy)$.
9. Use the commutative and associate properties to simplify $px + (2y - 3xp) + 3y$.
10. Use the commutative and associate properties to simplify $(3ax + 6wz) - 2wz + a$.

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