





# Get better at Math. Get better at everything.

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#### **Equivalent Expressions Worksheets**

Check if the following pairs of expressions are equivalent or not:

- 1. 2(2x+1)-4 and 4x-3
- 2. 7x+1 and 2(2x-1)+3(x+1)
- 3. Given that x = 3 and y = 4, find the value of the following expression  $(3x + 4y)^2 + (8x + 7y)^2 + 24xy$

Simplify and find the equivalent expression in the simplest form:

4. 
$$0.7x^2 + 0.9x^2y^2 + 0.8y^2$$

5. 
$$p^2q^2r(pq^2 + p^2 + q^2) + r^2q$$

6. 
$$9xy + 12x^2y^4 + 7x^2y^3$$

7. 
$$x3+7x+521x+51$$

8. 
$$pqr(3pq + p + 5q) + 4rq$$

9. 
$$9a(4ac + 7c + bc) + ab^2c$$

10. 
$$2x + 3xy + 4y^2 + 2y - 12xy$$



When you learn math in an interesting way, you never forget.



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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect.

She is extremely patient and generous with Miranda."

- Gary Schwartz

- Kirk Riley

- Barbara Cabrera

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