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DISTRIBUTIVE PROPERTY WORKSHEET - 2

1) Fill in the blank in the multiplication of 3 and $(y + 2)$.

$$3 \times (y - 2) = 3 \times \underline{\quad} - 6$$

2) Find the area of the rectangular garden if its length and width are 'x' and 'y + 5' units.



3) Use the distributive property of multiplication to find the value of

$$(1 - 6) \times (-3 + 4)$$

4) Fill in the blanks by using distributive property of multiplication.

a) $5 \times (\underline{\quad} - 7) = 5 \times 4 - 35$

b) $-5 \times (3 + 2) = -5 \times \underline{\quad} - 10$

5) Expand: $-3 \times (5 + t)$

6) Solve for 'x': $3 \times (x + 3) + 2 \times (x - 2) = 10$

7) Find the product of $7x - 4$ and -3 using distributive property of multiplication.

8) Simplify " $y(x - 2) + x(y + 2)$ " by using the distributive property.

9) What is 3 times $7x - 2y$?

10) Find the value of $-5(6y - x)$ when $x = -1$ and $y = 1$.

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in an interesting way,
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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!"

- Gary Schwartz

"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."

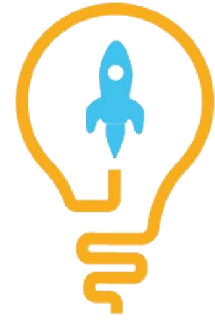
- Kirk Riley

"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."

- Barbara Cabrera

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**ANSWERS**

1)	y
2)	$(xy + 5x)$ units
3)	-5
4)	a) 4, b) 3
5)	$-15 - 3t$
6)	$x = 1$
7)	$-21x + 12$
8)	$2x - 2y + 2xy$
9)	$21x - 6y$
10)	-35

FUN FACT

1. The multiplication of any number with 1 is equal to the number itself.
2. The multiplication of any number with 0 is equal to the number itself.
3. Grouping the factors in different ways do not change the value of product.

