
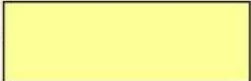



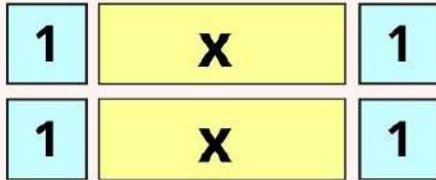
**1 ? ALGEBRA TILES**  
**ε 4 WORKSHEET**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Instructions:** Arrange the tiles according to the algebraic expression given. The tiles need to be arranged in such a manner that they collectively form a shape of a square or rectangle. The hint box denotes which shape and color to use for which term. One is done for you.

**Hint:**  $x^2$  -   $x$  -   $1$  - 

**1)  $2x+4$**



**2)  $x+3$**

**3)  $x^2+2x$**

**4)  $x^2+2$**


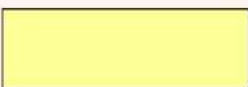

**5)  $2x^2+2$**

**6)  $x^2+4$**

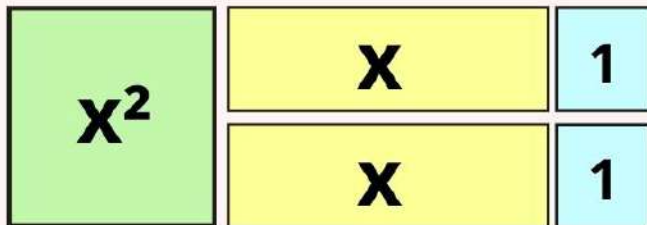
1 ? ALGEBRA TILES  
 ε 4 WORKSHEET

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**Instructions:** Arrange the tiles according to the algebraic expression given. The tiles need to be arranged in such a manner that they collectively form a shape of a square or rectangle. The hint box denotes which shape and color to use for which term. One is done for you.

**Hint:**  $x^2$  -   $x$  -   $1$  - 

1)  $x^2 + 2x + 2$



2)  $2x^2 + x + 3$

3)  $(x+2)(x+1)$

4)  $2x(x+2)$

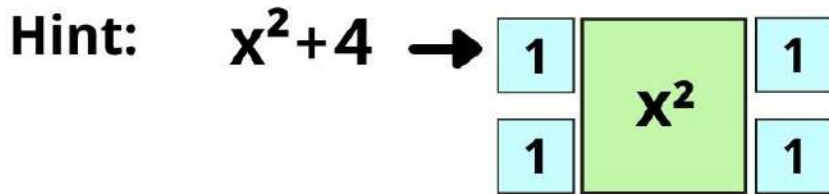
5)  $(x+2)^2$

6)  $2x(x+1)$

**1 ? ALGEBRA TILES**  
**ε 4 WORKSHEET**

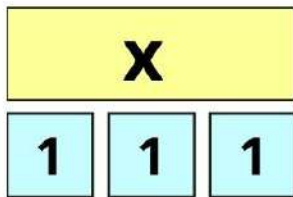
Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Instructions:** Match the algebraic expression with its tile arrangement by joining the dots of column A with column B. Use the hint box to understand how the tiles are arranged for an expression. One is done for you.

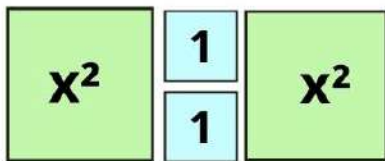


**Column A**

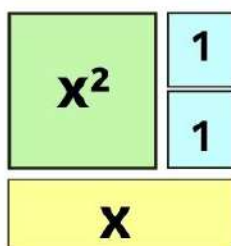
$2x+2$  ●



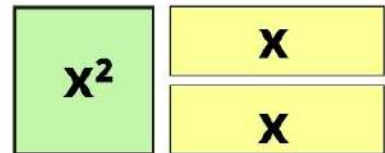
$x^2+2$  ●



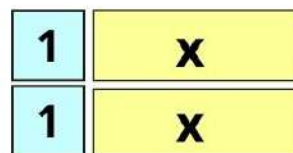
$x^2+2x$  ●



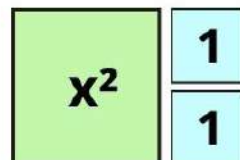
**Column B**



$2x^2+2$  ●



$x^2+x+2$  ●



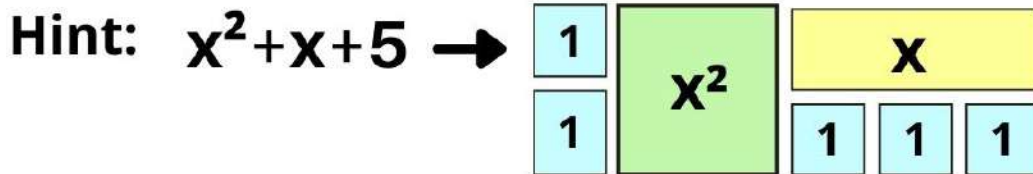
$x+3$  ●

**1 ? ALGEBRA TILES**  
**ε 4 WORKSHEET**

Name: \_\_\_\_\_

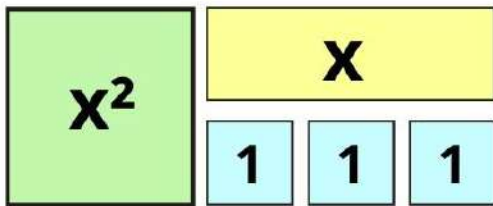
Date: \_\_\_\_\_

**Instructions:** Match the algebraic expression with its tile arrangement by joining the dots of column A with column B. Use the hint box to understand how the tiles are arranged for an expression. One is done for you.

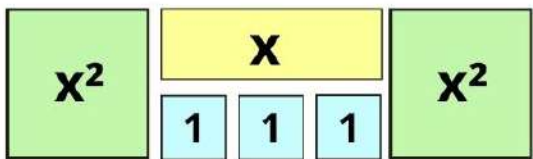


**Column A**

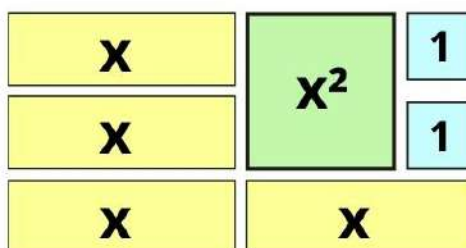
$2x^2 + 2x$  ●



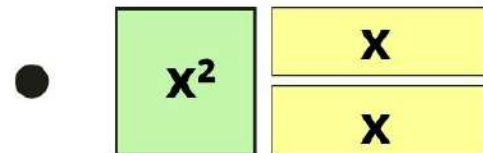
$2x^2 + 2x + 4$  ●



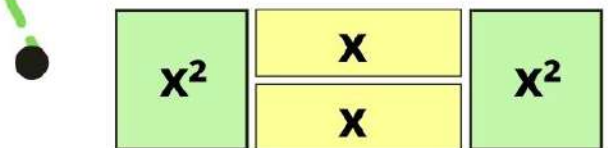
$x^2 + 2x$  ●



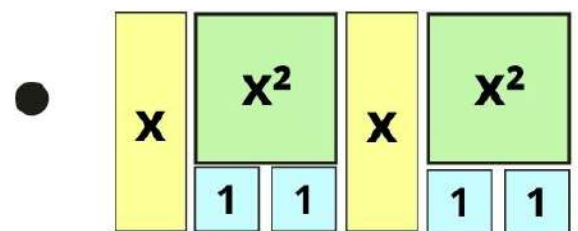
**Column B**



●  $2x^2 + x + 3$



●  $x^2 + 4x + 2$






●  $x^2 + x + 3$

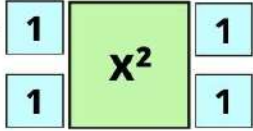
**1 ?** ALGEBRA TILES  
**ε 4** WORKSHEET

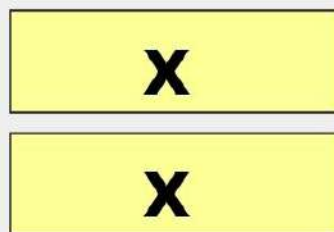
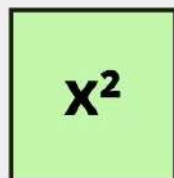
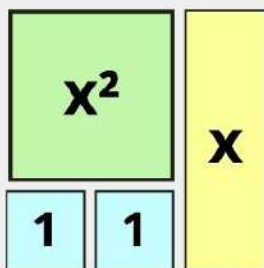
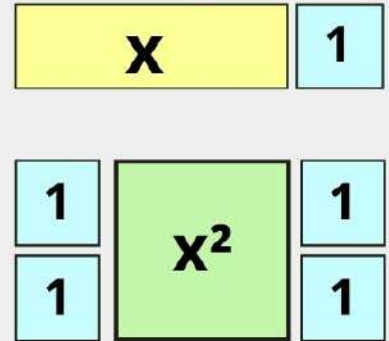
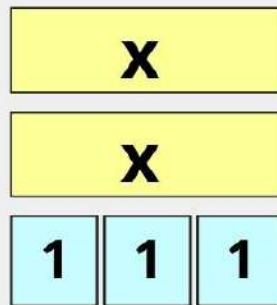
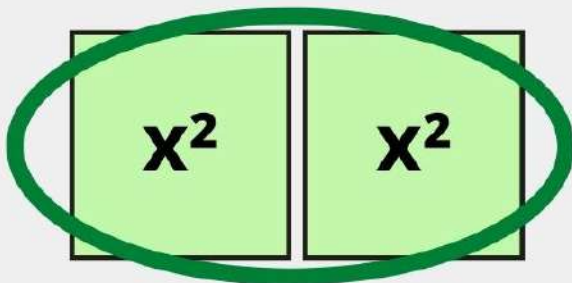
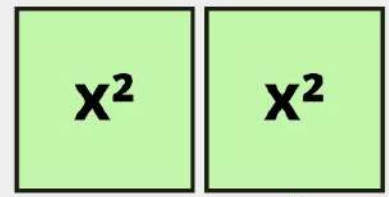
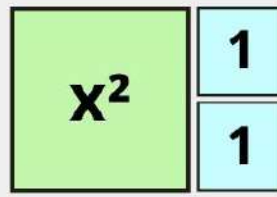
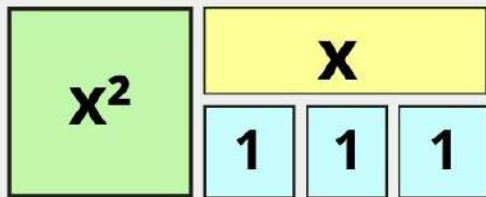
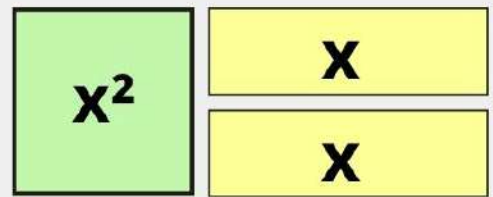
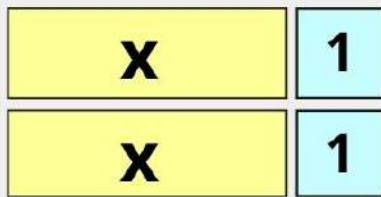
Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Instructions:** Find the tile arrangement of the algebraic expressions from the box given below. Use the hint box to understand how the tiles are arranged for an expression and remember one tile is used one time for one expression only. One is done for you.

**Hint:**  $x^2 -$    $x -$    $1 -$  

Eg-  $x^2+4 \rightarrow$  



- |           |            |        |           |
|-----------|------------|--------|-----------|
| $x^2+x+3$ | $2x+3$     | $x^2$  | $3x+3$    |
| $x^2+2x$  | $2x^2+x+1$ | $x+3$  | $x^2+x+2$ |
| $2x^2$ ✓  | $x^2+2$    | $2x+2$ | $x^2+4$   |




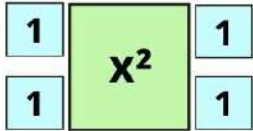


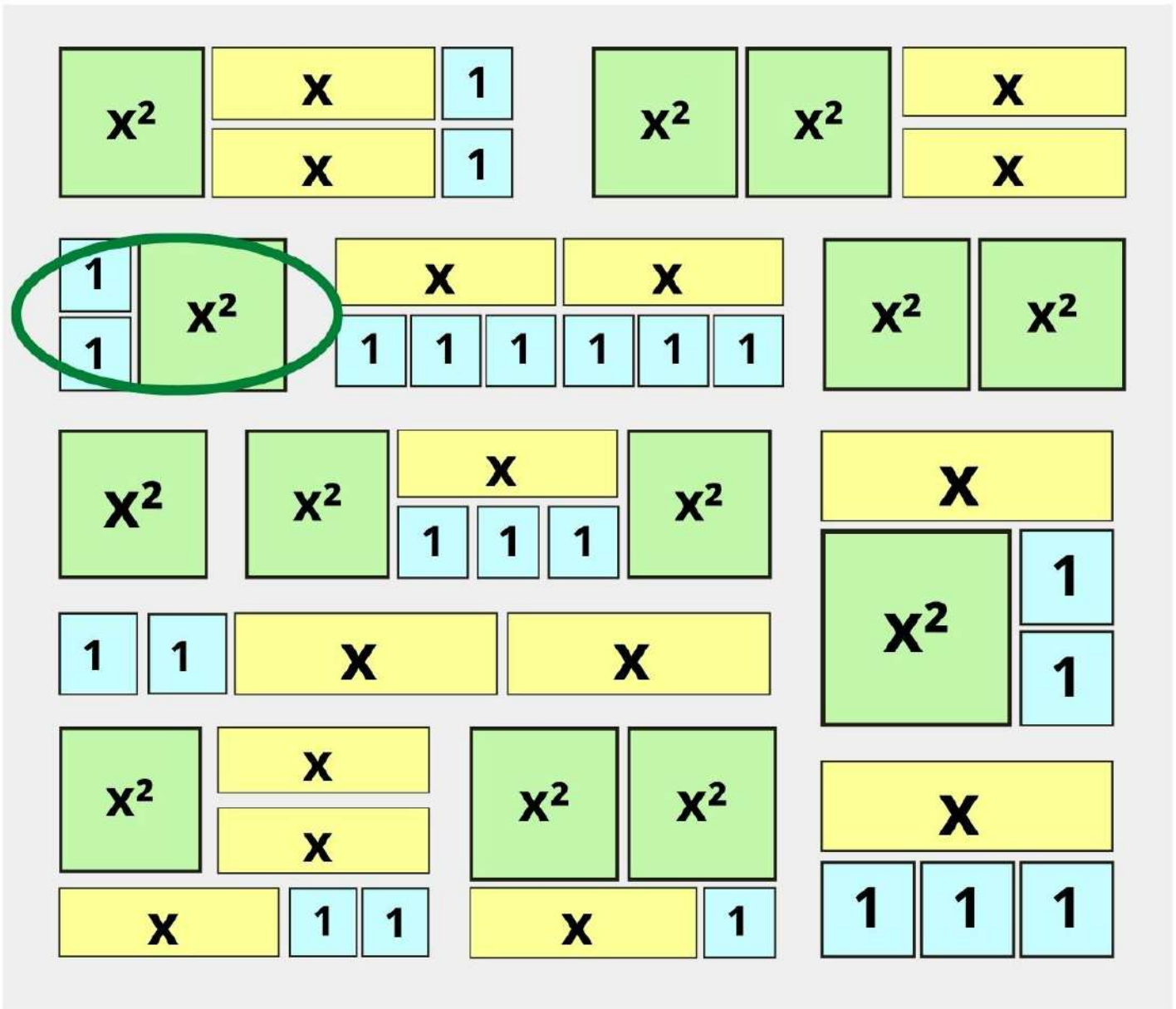
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**Hint:**  $x^2$  -   $x$  -   $1$  -       Eg-  $x^2+4$  → 



The image shows several arrangements of algebra tiles (green squares for  $x^2$ , yellow rectangles for  $x$ , and light blue squares for  $1$ ):

- Top left:  $x^2 + 2x + 1$
- Top middle:  $2x^2 + 2x$
- Top right (circled):  $x^2 + 4$
- Middle left:  $x^2 + x^2 + x + 3$
- Middle right:  $x^2 + 2$
- Bottom left:  $x^2 + 2x + 1$
- Bottom middle:  $2x^2 + x + 1$
- Bottom right:  $x^2 + x + 3$

- |            |            |            |            |
|------------|------------|------------|------------|
| $x^2+2$ ✓  | $2x^2+x+3$ | $2x+6$     | $x^2+x+2$  |
| $2x+2$     | $x^2$      | $2x^2+x+1$ | $2x^2$     |
| $x^2+3x+2$ | $x+3$      | $2x^2+2x$  | $x^2+2x+2$ |