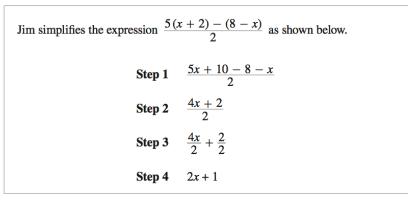
Pattern and Relations 6

Name:

- 21. When $x^2 9x 4$ is subtracted from the sum of $5x^2 8x + 2$ and $2x^2 3x 7$, the result is
 - A. $x^2 20x 9$
 - **B.** $2x^2 + 4x + 13$
 - **C.** $6x^2 2x 1$
 - **D.** $8x^2 20x 9$

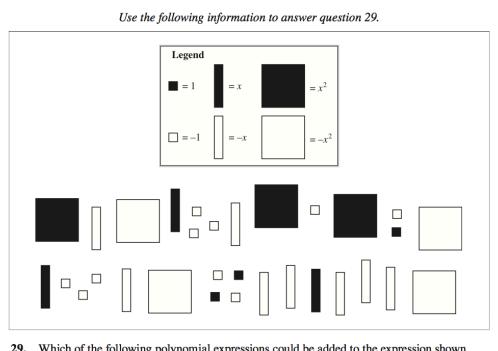
Use the following information to answer question 27.



- 27. In which step did Jim make an error when simplifying the expression?
 - A. Step 1
 - B. Step 2
 - C. Step 3
 - D. Step 4

Pattern and Relations 6

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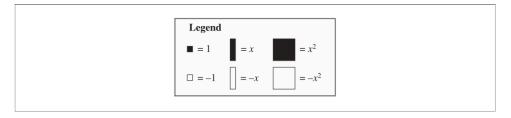


- **29.** Which of the following polynomial expressions could be added to the expression shown above to result in a sum that contains only a constant term?
 - A. $x^{2} + 5x + 3$ B. $4x^{2} + 8x$ C. $-x^{2} - 5x - 3$ D. $-4x^{2} - 8x$
- 26. When the expression $(x^2 5x + 4) (3x^2 + 8x 20)$ is simplified, the result is
 - A. $-2x^2 13x + 24$
 - **B.** $-2x^2 3x + 16$
 - C. $2x^2 + 13x 24$
 - **D.** $2x^2 + 3x 16$

Pattern and Relations 6

Name:

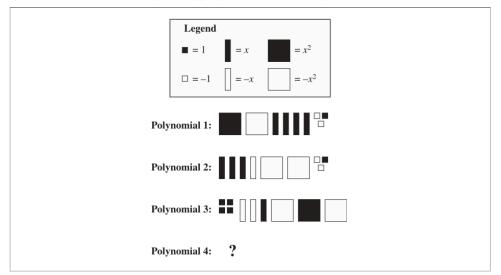
Use the following information to answer question 29.



29. Which of the following pairs of expressions represents like terms?

А.	3 <i>x</i> and
B.	$-6x^2$ and $\Box\Box\Box\Box$
C.	$-2(4x)$ and \blacksquare
D.	4(-1x) and

Use the following information to answer question 36.



- **36.** Which of the following expressions could represent Polynomial 4 if the sum of all four expressions is 6x?
 - A. $9x^2 5x 1$ B. $3x^2 + x - 2$ C. $-x^2 - x + 5$
 - C. $-x^2 x + 5$
 - **D.** $-3x^2 + 11x + 1$