

Pattern and Relations 5

Name: _____

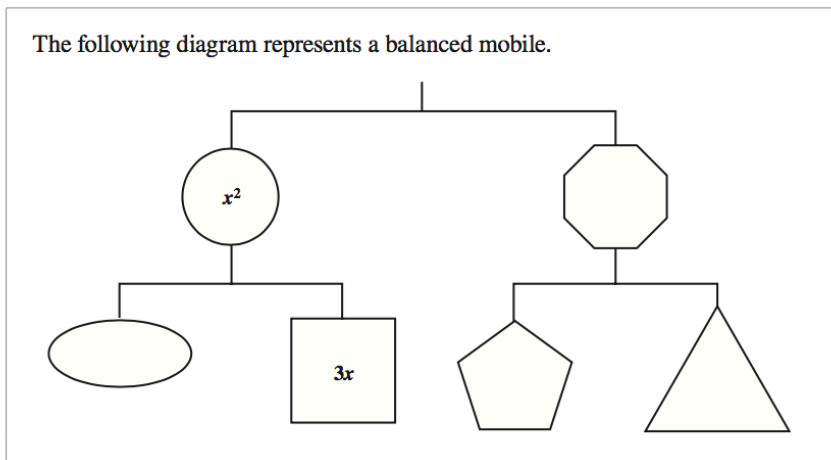
Use the following information to answer question 19.

$3x^2 - 4$

19. Which row correctly shows the degree, the coefficient, and the constant term in the expression shown above?

Row	Degree	Coefficient	Constant Term
A.	2	3	-4
B.	3	2	4
C.	2	-4	3
D.	3	4	2

Use the following information to answer question 23.



23. The sum of all parts of the mobile is

- A. $2x^2 + 12x$
- B. $2x^2 + 9x$
- C. $x^2 + 6x$
- D. $x^2 + 3x$

6. Which of the following expressions is equivalent to $-(3x - 2)$?

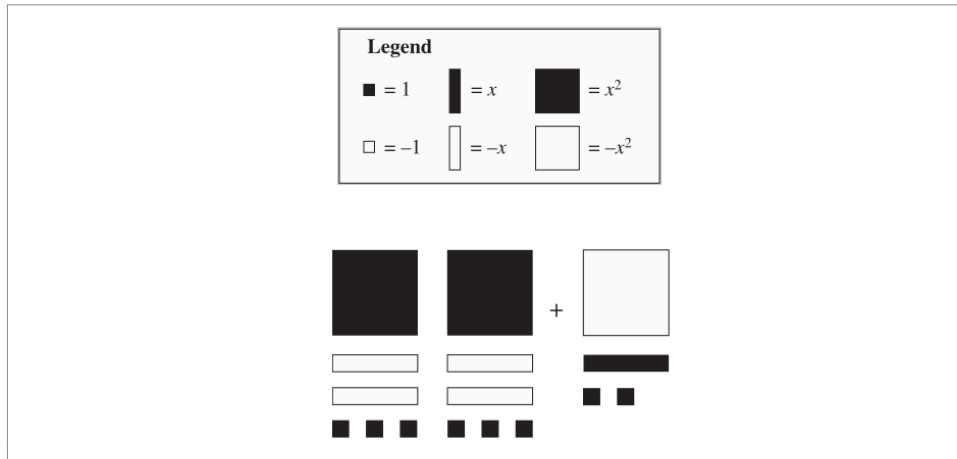
- A. $-3x + 2$
- B. $-3x - 2$
- C. $3x + 2$
- D. $3x - 2$

19. Which pair of expressions below are equivalent for all values of x ?

- A. $-3x + 4x^2 + 2$ and $4x^2 - 2 + 3x$
- B. $-3x + 4x^2 + 2$ and $2 - 3x + 4x^2$
- C. $2 - 4x^2 + 3x$ and $-4x^2 + 3x - 2$
- D. $2 - 4x^2 + 3x$ and $-3x + 4x^2 + 2$

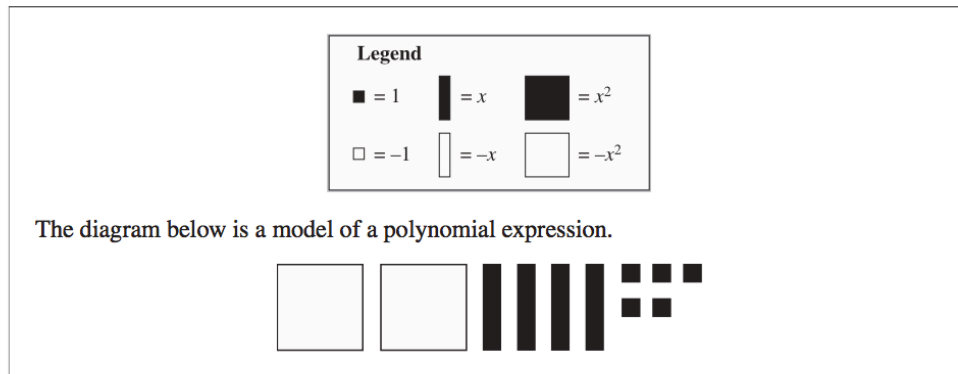
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7. Which of the following expressions represents the solution to the model shown above?
- A. $x^2 - 3x + 8$
 - B. $x^2 + 3x - 8$
 - C. $-x^2 - 5x + 8$
 - D. $-x^2 + 5x - 8$

Use the following information to answer question 37.



37. Which of the following rows correctly describes the modelled polynomial expression?

	Number of Terms	Degree
A.	2	2
B.	2	4
C.	3	2
D.	3	4