

Chapter 5 Practice Test

For #1 to #6, circle the best answer.

1. What is the degree of the polynomial $x^2 - 5x + 2y + 2$?

A 1

B 2

C 3

D 4

2. Which expression is a trinomial?

A abc^2

B $3mn$

C $ef + g^2$

D $-1 - x + c$

3. Which expression does not have zero as a constant term?

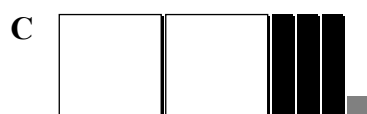
A $-5x$

B $k + 8$

C $y^2 - 2y$

D $ab + b - c$

4. Which set of diagrams represents $3x - 2x^2 + 1$?



5. Which expression is the opposite of $-2k^2 + 3k - 1$?

A $-1 - 3k + 2k^2$

B $1 - 3k + 2k^2$

C $1 - 3k - 2k^2$

D $-1 - 3k - 2k^2$

6. Which of the following is *not* equivalent to $3x - 5 + 2 - 7x$?

A $-4x - 3$

B $3x - 7x - 5 + 2$



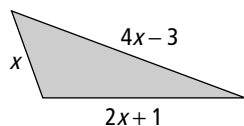
Complete the statement in #7.

7. In the monomial $-q^2$, the value of the coefficient is _____.

Short Answer

8. Draw a diagram to represent $x^2 - 2x$.

9. a) Write an expression for the perimeter of the triangle.



- b) Simplify the expression for the perimeter.

10. Simplify. Use models for a least 1 of the expressions. Show your work.

a) $(2x^2 - 8x + 1) + (9x^2 + 4x - 1)$

b) $(4 - 6w) - (3 - 8w)$