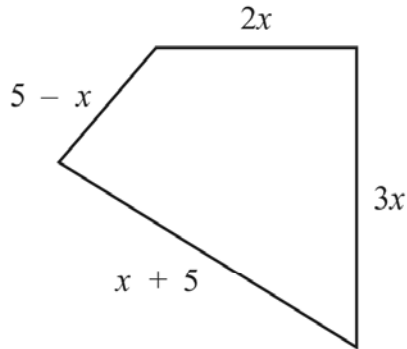


- 1 A polygon and expressions representing its dimensions, in meters, are shown below.



Mark your answer here: 1. (A)(B)(C)(D)

Which of the following represents the perimeter, in meters, of the polygon?

- A.  $5x$
- B.  $15x$
- C.  $5x + 10$
- D.  $7x + 10$

- 2 Which of the following is equivalent to the expression below?

$$(3x^2 + 2x - 8) - (2x^2 - 4x + 7)$$

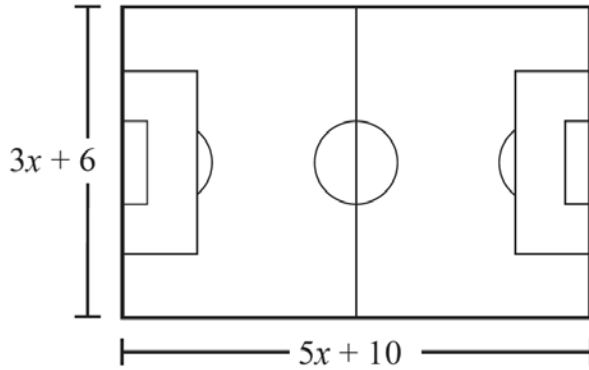
- A.  $x^2 + 6x - 15$
- B.  $x^2 - 2x - 15$
- C.  $x^2 + 6x - 1$
- D.  $x^2 - 2x - 1$

Mark your answer here: 2. (A)(B)(C)(D)



- 3 A rectangular soccer field and expressions representing its dimensions, in yards, are shown in the diagram below.

Mark your answer here: 3. (A)(B)(C)(D)



Which of the following expressions represents the perimeter, in yards, of the soccer field?

- A.  $48x$
- B.  $48x^4$
- C.  $16x + 32$
- D.  $16x^4 + 32$

- 4 Which of the following is equivalent to the expression below?

Mark your answer here: 4. (A)(B)(C)(D)

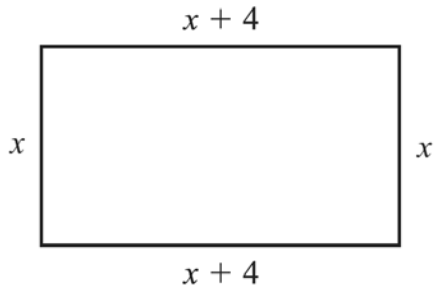
$$(2x + 5)(x - 4)$$

- A.  $2x^2 - 3x - 20$
- B.  $2x^2 + 13x + 1$
- C.  $2x^2 - 20$
- D.  $2x^2 + 1$



- 5 A rectangle and expressions representing the lengths, in inches, of its sides are shown below.

Mark your answer here: 5. (A)(B)(C)(D)



Which of the following expressions represents the perimeter, in inches, of the rectangle?

- A.  $2x + 4$
- B.  $2x + 8$
- C.  $4x + 4$
- D.  $4x + 8$

- 6 Which of the following is equivalent to the expression below?

Mark your answer here: 6. (A)(B)(C)(D)

$$(x - 2)(x + 5)$$

- A.  $x^2 - 7x - 10$
- B.  $x^2 - 3x - 10$
- C.  $x^2 + 3x - 10$
- D.  $x^2 + 7x - 10$

