









Which expression is equivalent to the perimeter of the shaded region of the rectangle?

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1. 2x + 10 Alec Diaz
2. 2x + 12 Missy Elliott
3. 4x + 14 LeBron James
4. 8x +28 Michaelah Pittman
5. 6x + 20 Madonna

What is the sum of

(4x2 + 5x – 8) and

(3x2 – 6x + 1)?

1. 7x2 + x – 7 Jasper’s House
2. 7x2 – x – 7 the cafeteria
3. 7x2 + x + 7 the interstate
4. 7x2 – x + 7 a 1D concert
5. x2 + x – 7 the CIA

Which expression is equivalent to 3x2 + 4x – 1?

1. (x2 + 3x – 1) – (2x2 + x) Sunday
2. (3x 2 – 8) + (4x2 + 7) Monday
3. (2x2 + 4x + 1) – (–x2 + 2) Saturday
4. (2x2 + 4x + 1) + (–x2 + 2) Friday

**Find the difference:**

**(–7x2y + xy + 3x + 2) – (5x2y – 5xy – 6x – 7)**

1. –2x2y – 4xy – 2x – 5 Skittles
2. –12x2y + 6xy + 9x + 9 hot dogs
3. –12x2y – 6xy – 9x – 9 war heads
4. 12x2y + 6xy + 9x + 9 muffins

Find the sum:

(x2y + 3x + 2) + (2 + 2xy2 + 3x)

1. x2y + 2xy2 + 6x + 4 blissful
2. 3x2y + 6x + 4 eager
3. 3xy2 + 6x + 4 poignant
4. 3x2y2 + 6x + 4 irate

Find the perimeter of the figure below:



1. 12x4 – 3 Open
2. 12x – 5 Distraught
3. 12x + 5 Dirty
4. 12x – 3 Closed
5. 12x – 4 Hopeful

Find the perimeter of the rectangle below:

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1. 5y + 2 Hopped
2. 10y + 4 Skipped
3. 5y2 + 2 Tickled
4. 10y4 + 4 Sneezed

If the perimeter of the figure below is 15x + 7, find the length of the missing side.



1. 6x +11 Adele’s Mansion
2. 24x +3 Burger King
3. 6x +3 Buddy’s Pizza
4. 12x + 13 A Panther’s Game

If the perimeter of the figure below is 11x2 + 6x + 9, find the length of the missing side.



1. 18x2 + 8x + 18 sang songs
2. 4x2 + 4x ate beans
3. 4x2 + 8x + 18 watched LOST
4. 4x2 – 4x – 18 hugged

Expand and Simplify:

4(2x – 7) – 5(4x + 9)

1. –28x – 73 Full
2. –12x – 73 Happy
3. –12x +17 Sleepy
4. 12x + 48 Excited