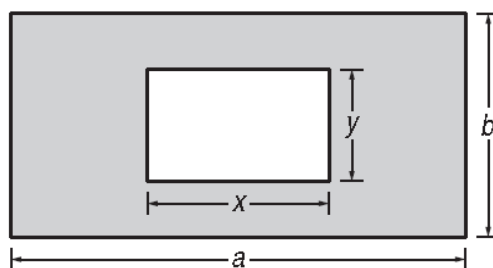


Name: \_\_\_\_\_

## Multiplying Polynomials

- A. 1) Let  $x$  be an integer. What is the product of twice the integer added to three times the next consecutive integer? Perform the following operations
- B. Let  $x$  be an integer.
- 2) What is the product of twice the integer added to three times the next consecutive integer?
- 3) What is the product of the next two consecutive even integers?
- C. Jane worked  $(2x + 5)$  days for  $(x - 3)$  hours each day.
- 4) How many total hours did she work?
- D. 5) Laura gets paid  $(x + 20)$  dollars an hour. If she works  $(4x - 9)$  hours, how much money did she make?
- E. Monica got paid  $(20x^2 + 10x - 5)$  dollars for washing cars. She washed 5 cars.
- 6) How much did she get paid per car?
- F. 7) Write a polynomial to represent the area of each shaded region.



- G. 8.) Write a polynomial to represent the area of each shaded region.

