



## Algebra

Name \_\_\_\_\_

Date \_\_\_\_\_

Attempt ALL Questions.

- Bananas cost  $x$  dollars per kilogram. The total weight of 5 bananas is 2 kg. What is the average cost of 1 banana?
  - $5x/2$  dollars
  - $2x/5$  dollars
  - $2x$  dollars
  - $10x$  dollars
  -
- If  $x * y$  means  $3x - 2y$ , then the value of  $4 * -3$  is:
  - 17
  - 1
  - 6
  - 18
- The perimeter of a rectangle is 40 cm. If the shorter side is  $p$  cm, and the longer side is 4 cm longer than the shorter side, what is the length of the shorter side?
  - 16 cm
  - 10 cm
  - 9 cm
  - 8 cm
- If  $3x + 7 = 19$ , then  $x =$ 
  - 4
  - 4
  - $6\frac{1}{3}$
  - $26/3$
- If  $7/8 = 2/3 + 1/y$ , then  $y =$ 
  - $-5/24$
  - $5/24$
  - $24/5$
  - $24/5$
- Given that  $W = kP^2$  and that  $W = 40$  when  $P = 2$ . What is the value of  $W$  when  $P = 5$ ?
  - 50
  - 100
  - 250
  - 500
- If  $33 - 5x = 2x - 9$ , then  $x =$ 
  - 14
  - 6
  - 6
  - 14
- If the first of three consecutive ODD numbers is  $x + 2$ , then the other two numbers are:
  - $x + 4$  and  $x + 6$
  - $2x + 2$  and  $3x + 2$
  - $x + 3$  and  $x + 4$
  - $x + 4$  and  $x + 5$
- What is the coefficient of  $x$  in the expression  $3x^2 - x - 3$ ?
  - 3
  - 1
  - 2
  - 3



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10. If  $30 - 2y > 12$ , then a possible value of  $y$  is:
- A. 8
  - B. 9
  - C. 10
  - D. 11

**END OF TEST**