



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 The difference of a number and twenty-three is another number.  
Which linear equation represents this correctly?

- A  $x - y = 23$
- B  $x - 23 = y$
- C  $2x - 23 = y$
- D  $x - 23 = 2y$

2 The sum of three times a number and half of another number is seventy-two.  
Which linear equation represents this correctly?

- A  $3x + \frac{1}{2}y = 72$
- C  $3x + y = 72$
- B  $3x - \frac{1}{2}y = 7$
- D  $3x + \frac{1}{2}y = 7$

3 The sum of two times a number and fifteen is three times another number.  
Which linear equation represents this correctly?

4 The difference of half a number and four times another number is sixteen.  
Which linear equation represents this correctly?



## PREVIEW

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9 Solve the following 2-step linear equation for  $y$  if  $x = -4$ :

$$2x - 5y = 57$$

- A 13
- B 10
- C -10
- D -13

10 Solve the following 2-step linear equation for  $y$  if  $x = -2$ :

$$4x + 7 = y$$

- A -15
- B -1
- C 1
- D 15



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(D)

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(C)

5



(C)

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7

- A  $80x + 150 = y$
- B  $80x + y = 150$
- C  $150 + y = 80x$
- D  $80y + x = 150$

- A 3
- B 3.75
- C 4
- D 4.3

(C)

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