



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

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

5

7

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

$2x - 5y = 57$

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

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

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

$4x + 7 = y$

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



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 $x - 23 = 2y$

(B)

2

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

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

(D)

3

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

(A)

4

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

(C)

5



(C)

PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

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)

9

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

$2x - 5y = 57$

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

(D)

10

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

$4x + 7 = y$

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

(B)