

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

## Systems of Equations

Write whether each system of equations is dependent or independent.

1)  $3x + 7y = 12$   
 $36 = 9x + 21y$

\_\_\_\_\_

2)  $10a + 9b = 23$   
 $-20a + 46 = 18b$

\_\_\_\_\_

3)  $11s = 17t + 43$   
 $8s - 12t = 34$

\_\_\_\_\_

4)  $15m - 5n = -15$

\_\_\_\_\_

5)  $13c - 14d = 0$   
 $-19c + 29 = 5d$

\_\_\_\_\_

7)  $16r - 44 = -10s$   
 $8r = 22 - 5s$

\_\_\_\_\_

9)  $-18u + 15v = 45$   
 $5v - 6u = 15$

\_\_\_\_\_

10)  $13b = 3c + 41$   
 $7c = 12b - 36$

\_\_\_\_\_

# PREVIEW

Gain complete access to the largest  
collection of worksheets in all subjects!

Members, please  
log in to  
download this  
worksheet.

Not a member?  
Please sign up to  
gain complete  
access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

**Systems of Equations**

Write whether each system of equations is dependent or independent.

1)  $3x + 7y = 12$   
 $36 = 9x + 21y$

**dependent**

2)  $10a + 9b = 23$   
 $-20a + 46 = 18b$

**dependent**

3)  $11s = 17t + 43$   
 $8s - 12t = 34$

**independent**

4)  $15m - 5n = -15$

**dependent**

5)  $13c - 14d = 0$   
 $-19c + 29 = 5d$

**independent**

**dependent**

7)  $16r - 44 = -10s$   
 $8r = 22 - 5s$

**dependent**

**independent**

9)  $-18u + 15v = 45$   
 $5v - 6u = 15$

**dependent**

10)  $13b = 3c + 41$   
 $7c = 12b - 36$

**independent**

# PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)