

## Algebraic expressions (2 variables)

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Grade 5 Pre-Algebra Worksheet

Evaluate the following expressions for  $x = 9$  and  $y = 2$ .

1.  $2xy$  \_\_\_\_\_

11.  $\frac{8}{y} + x$  \_\_\_\_\_

2.  $\frac{x}{y+1}$  \_\_\_\_\_

12.  $14 - 3y$  \_\_\_\_\_

3.  $3x + y$  \_\_\_\_\_

13.  $x - y + 6$  \_\_\_\_\_

4.  $2xy - 10$  \_\_\_\_\_

14.  $\frac{4x}{y} + \frac{y+7}{x}$  \_\_\_\_\_

5.  $2x - 3y$  \_\_\_\_\_

15.  $4x - y$  \_\_\_\_\_

6.  $x + y$  \_\_\_\_\_

16.  $15 - 2y + x$  \_\_\_\_\_

7.  $2x + 3y$  \_\_\_\_\_

17.  $x + y + 2$  \_\_\_\_\_

8.  $\frac{4y}{x-1}$  \_\_\_\_\_

18.  $2y + x - 8$  \_\_\_\_\_

9.  $2x - y + 3$  \_\_\_\_\_

19.  $y + 12 - x$  \_\_\_\_\_

10.  $\frac{x}{y-1}$  \_\_\_\_\_

20.  $9y - x$  \_\_\_\_\_

## Answers

1.  $2xy = 36$

11.  $\frac{8}{y} + x = 13$

2.  $\frac{x}{y+1} = 3$

12.  $14 - 3y = 8$

3.  $3x + y = 29$

13.  $x - y + 6 = 13$

4.  $2xy - 10 = 26$

14.  $\frac{4x}{y} + \frac{y+7}{x} = 19$

5.  $2x - 3y = 12$

15.  $4x - y = 34$

6.  $x + y = 11$

16.  $15 - 2y + x = 20$

7.  $2x + 3y = 24$

17.  $x + y + 2 = 13$

8.  $\frac{4y}{x-1} = 1$

18.  $2y + x - 8 = 5$

9.  $2x - y + 3 = 19$

19.  $y + 12 - x = 5$

10.  $\frac{x}{y-1} = 9$

20.  $9y - x = 9$