

## Algebraic expressions (2 variables)

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### Grade 5 Pre-Algebra Worksheet

Evaluate the following expressions for  $x = 5$  and  $y = 4$ .

1.  $x + y =$  \_\_\_\_\_

11.  $\frac{y^3}{2} =$  \_\_\_\_\_

2.  $2y^2 =$  \_\_\_\_\_

12.  $(x + y)^2 =$  \_\_\_\_\_

3.  $14 - x - 2 =$  \_\_\_\_\_

13.  $x^2 - y =$  \_\_\_\_\_

4.  $2y^3 - 10 =$  \_\_\_\_\_

14.  $\frac{8x}{y} + \frac{10y}{x} =$  \_\_\_\_\_

5.  $y^2 - x =$  \_\_\_\_\_

15.  $y^3 + x =$  \_\_\_\_\_

6.  $3xy =$  \_\_\_\_\_

16.  $20 - 2y - x =$  \_\_\_\_\_

7.  $x + 3y - 10 =$  \_\_\_\_\_

17.  $x^2 =$  \_\_\_\_\_

8.  $\frac{4x^2}{y - 2} =$  \_\_\_\_\_

18.  $5x + 4y =$  \_\_\_\_\_

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

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

10.  $\frac{y}{x - 3} =$  \_\_\_\_\_

20.  $\left(\frac{4x}{y}\right)^2 =$  \_\_\_\_\_

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Grade 5 Pre-Algebra Worksheet

Evaluate the following expressions for  $x = 5$  and  $y = 4$ .

1.  $x + y = \underline{9}$

11.  $\frac{y^3}{2} = \underline{32}$

2.  $2y^2 = \underline{32}$

12.  $(x + y)^2 = \underline{81}$

3.  $14 - x - 2 = \underline{7}$

13.  $x^2 - y = \underline{21}$

4.  $2y^3 - 10 = \underline{118}$

14.  $\frac{8x}{y} + \frac{10y}{x} = \underline{18}$

5.  $y^2 - x = \underline{11}$

15.  $y^3 + x = \underline{69}$

6.  $3xy = \underline{60}$

16.  $20 - 2y - x = \underline{7}$

7.  $x + 3y - 10 = \underline{7}$

17.  $x^2 = \underline{25}$

8.  $\frac{4x^2}{y - 2} = \underline{50}$

18.  $5x + 4y = \underline{41}$

9.  $2x - y + 3 = \underline{9}$

19.  $y + 12 - x = \underline{11}$

10.  $\frac{y}{x - 3} = \underline{2}$

20.  $\left(\frac{4x}{y}\right)^2 = \underline{25}$