



Algebraic expressions (2 variables)

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. $(\frac{4x}{y})^2$ _____



Answers

1. $x + y = 9$

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

2. $2y^2 = 32$

12. $(x + y)^2 = 81$

3. $14 - x - 2 = 7$

13. $x^2 - y = 21$

4. $2y^3 - 10 = 118$

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

5. $y^2 - x = 11$

15. $y^3 + x = 69$

6. $3xy = 60$

16. $20 - 2y - x = 7$

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

17. $x^2 = 25$

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

18. $5x + 4y = 41$

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

19. $y + 12 - x = 11$

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

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