

Algebraic expressions (2 variables)

Grade 5 Pre-Algebra Worksheet

B. 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. $9y - x =$ _____

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

1. $2xy = \underline{36}$

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

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

12. $14 - 3y = \underline{8}$

3. $3x + y = \underline{29}$

13. $x - y + 6 = \underline{13}$

4. $2xy - 10 = \underline{26}$

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

5. $2x - 3y = \underline{12}$

15. $4x - y = \underline{34}$

6. $x + y = \underline{11}$

16. $15 - 2y + x = \underline{20}$

7. $2x + 3y = \underline{24}$

17. $x + y + 2 = \underline{13}$

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

18. $2y + x - 8 = \underline{5}$

9. $2x - y + 3 = \underline{19}$

19. $y + 12 - x = \underline{5}$

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

20. $9y - x = \underline{9}$