

Simplifying expressions

Grade 5 Pre-Algebra Worksheet

A. Rewrite each expression and then evaluate it for $x = 2$.

1. $5x - 3x =$ _____

6. $6x - 3x + 8 =$ _____

2. $8x - 3x - 7 =$ _____

7. $12x - 7x - 8 =$ _____

3. $7x - 4x + 29 =$ _____

8. $3x + 9 + 4x - 5 =$ _____

4. $8 + 6x - 5 + 4x - 3x =$ _____

9. $3x + 7x - 6x + 19 - 8 =$ _____

5. $2x + 7 + 3x - 2 + 3 =$ _____

10. $16x - 4x - 7x + 13 - 11 =$ _____

B. Rewrite each expression and then evaluate it for $y = 4$.

1. $11y - 7y =$ _____

6. $8y - 2y + 11 =$ _____

2. $9y + 3 - 5y + 4 =$ _____

7. $2y + 9 + 8y - 5 =$ _____

3. $26 + 5y - 2y =$ _____

8. $8y + 3y - 5y + 12 - 5 =$ _____

4. $9 + 3y - 2 + 8y - 2y =$ _____

9. $7 + 4y - 3 + 9y - 3y =$ _____

5. $6y + 5 - 3y - 2 + 3 =$ _____

10. $16y - 3y + 7 - 8y - 1 =$ _____

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A. Rewrite each expression and then evaluate it for $x = 2$.

1. $5x - 3x = \underline{2x = 4}$

6. $6x - 3x + 8 = \underline{3x + 8 = 14}$

2. $8x - 3x - 7 = \underline{5x - 7 = 3}$

7. $12x - 7x - 8 = \underline{5x - 8 = 2}$

3. $7x - 4x + 29 = \underline{3x + 29 = 35}$

8. $3x + 9 + 4x - 5 = \underline{7x + 4 = 18}$

4. $8 + 6x - 5 + 4x - 3x = \underline{7x + 3 = 17}$

9. $3x + 7x - 6x + 19 - 8 = \underline{4x + 11 = 19}$

5. $2x + 7 + 3x - 2 + 3 = \underline{5x + 8 = 18}$

10. $16x - 4x - 7x + 13 - 11 = \underline{5x + 2 = 12}$

B. Rewrite each expression and then evaluate it for $y = 4$.

1. $11y - 7y = \underline{4y = 16}$

6. $8y - 2y + 11 = \underline{6y + 11 = 35}$

2. $9y + 3 - 5y + 4 = \underline{4y + 7 = 23}$

7. $2y + 9 + 8y - 5 = \underline{10y + 4 = 44}$

3. $26 + 5y - 2y = \underline{3y + 26 = 38}$

8. $8y + 3y - 5y + 12 - 5 = \underline{6y + 7 = 31}$

4. $9 + 3y - 2 + 8y - 2y = \underline{9y + 7 = 43}$

9. $7 + 4y - 3 + 9y - 3y = \underline{10y + 4 = 44}$

5. $6y + 5 - 3y - 2 + 3 = \underline{3y + 6 = 18}$

10. $16y - 3y + 7 - 8y - 1 = \underline{5y + 6 = 26}$