



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



Answers

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 $y = 4$.

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

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

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

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

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

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

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

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

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

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