

Adding Linear Expressions

Match the linear expression with the correct answer by dragging the answer into the box with the correct expression.

All work will be shown on a separate sheet of paper

Don't forget to use the TUG CHART when necessary!!

1 $(2x + 3) + (x + 1)$	a. x
2 $10(x - 2) + (6x - 6)$	b. $-x + 2$
3 $(4x + 8) + (7x + 3)$	c. $6x + 2$
4 $(-3x + 7) + (-6x + 9)$	d. $4x - 16$
5 $(x - 10) + (3x - 6)$	e. $18x - 15$
6 $(-3x - 7) + (4x + 7)$	f. $3x + 4$
7 $2(x + 14) + (2x - 14)$	g. $40x + 5$
8 $(11x - 8) + 7(x - 1)$	h. $8.7x - 1.6$
9 $(x + 5) + (-4x - 2) + (2x - 1)$	i. $17x + 4$
10 $(-3.5x + 1.7) + (9.1x - 0.3)$	j. $16x - 26$

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<p>11</p> <p>$(0.5x + 15) + (8.2x - 16.6)$</p>	<p>k.</p> <p>$-9x + 16$</p>
<p>12. GEOMETRY A rectangle has side lengths of $(3x + 6)$ inches and $(2x - 4)$ inches. Write an expression to represent the perimeter of the rectangle.</p>	<p>l.</p> <p>$5.6x + 1.4$</p>
<p>13. FLIGHT An airline charges $\\$(22x + 20)$ for a ticket, $\\$(x + 1)$ to check a bag, $\\$2x$ for food, and $\\$(15x - 16)$ to upgrade to first class. Write an expression to represent the total cost of flying first class, checking a bag, and buying food on the plane.</p>	<p>m.</p> <p>$10x + 4$</p>
<p>14. FOOD Loy paid $\\$(4x + 7)$ for a beef roast and $\\$(2x - 5)$ for five pounds of potatoes. Write an expression for the total amount he spent on food.</p>	<p>n.</p> <p>$4x + 14$</p>
<p>15. GEOMETRY Write an expression for the perimeter of this pentagon.</p> <div style="text-align: center;"> $(4x - 1)$ $(4x - 1)$ $(3x + 2)$ $(3x + 2)$ $(3x + 2)$ </div>	<p>o.</p> <p>$11x + 11$</p>