

Evaluating Expressions

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Evaluate each of the following expressions for $a = 2$, $b = 5$, and $c = 8$.

$$2a + 9b = \underline{\hspace{2cm}}$$

$$-6b + 4c = \underline{\hspace{2cm}}$$

$$13c + 7c + 3 = \underline{\hspace{2cm}}$$

$$7b + a - 8b = \underline{\hspace{2cm}}$$

$$13a + 3 - 11 - 8a = \underline{\hspace{2cm}}$$

$$-5b + c - b - 14b = \underline{\hspace{2cm}}$$

$$-2b + 8a + 13b + 12a = \underline{\hspace{2cm}}$$

$$-5 + 10c - 11b + 7b = \underline{\hspace{2cm}}$$

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Evaluate each of the following expressions for $x = 3$, $y = -2$, and $z = 5$.

$$7x + 13z = \underline{\hspace{2cm}}$$

$$-z - 9z - 12x = \underline{\hspace{2cm}}$$

$$-9y + 15y - 13z - 6y = \underline{\hspace{2cm}}$$

$$2z + 8y + 5y + 15 = \underline{\hspace{2cm}}$$

$$3y + 15x - 4x = \underline{\hspace{2cm}}$$

$$12y - 5y + 3z = \underline{\hspace{2cm}}$$

$$-10 - 11y + 12z + 10y = \underline{\hspace{2cm}}$$

$$5x - 8 - 8x + 6z = \underline{\hspace{2cm}}$$

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Evaluate each of the following expressions for $r = 5$, $s = 4$, and $t = 2$.

$$2r - 8r + 8s - 2s = \underline{\hspace{2cm}}$$

$$-4t - 12r + 7t - 80 = \underline{\hspace{2cm}}$$

$$-6s + r - 4s - 5r + 4r - t = \underline{\hspace{2cm}}$$

$$5s - 9t + 4 - 6t - 3s + 9s = \underline{\hspace{2cm}}$$

$$-r + 2s - 7s - 2r + 4r = \underline{\hspace{2cm}}$$

$$-8t + 12s + 13s + 13 - 12t - 15 - 13s = \underline{\hspace{2cm}}$$

$$15t + 15s + 4t - 11 + 7s + 9t + 8t = \underline{\hspace{2cm}}$$

Evaluating Expressions Key



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$$2a+9b = \mathbf{49}$$

$$13c+7c+3 = 20c+3 = \mathbf{163}$$

$$13a+3-11-8a = 5a-8 = \mathbf{2}$$

$$-2b+8a+13b+12a = 20a+11b = \mathbf{95}$$

$$-6b+4c = \mathbf{2}$$

$$7b+a-8b = a-b = \mathbf{-3}$$

$$-5b+c-b-14b = -20b+c = \mathbf{-92}$$

$$-5+10c-11b+7b = -4b+10c-5 = \mathbf{55}$$

$$7x+13z = \mathbf{86}$$

$$-9y+15y-13z-6y = -13z = \mathbf{-65}$$

$$3y+15x-4x = 11x+3y = \mathbf{27}$$

$$-10-11y+12z+10y = -10-y+12z = \mathbf{52}$$

$$-z-9z-12x = -12x-10z = \mathbf{-86}$$

$$2z+8y+5y+15 = 13y+2z+15 = \mathbf{-1}$$

$$12y-5y+3z = 7y+3z = \mathbf{1}$$

$$5x-8-8x+6z = -3x+6z-8 = \mathbf{13}$$

$$2r-8r+8s-2s = -6r+6s = \mathbf{-6}$$

$$-4t-12r+7t-80 = -12r+3t-80 = \mathbf{-134}$$

$$-6s+r-4s-5r+4r-t = -10s-t = \mathbf{-42}$$

$$5s-9t+4-6t-3s+9s = 11s-15t+4 = \mathbf{18}$$

$$-r+2s-7s-2r+4r = r-5s = \mathbf{-15}$$

$$-8t+12s+13s+13-12t-15-13s = 12s-20t-2 = \mathbf{6}$$

$$15t+15s+4t-11+7s+9t+8t = 22s+36t-11 = \mathbf{149}$$