


Unit 3 Notes: "Ordered Pairs as Solutions to Linear Equations"


Ordered Pairs Notes 11/12
(X, Y) SHOW ALL WORK!!

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| <p>1) Is the ordered pair $(3, -4)$ a solution to: $5x - 2y = 17$?</p> $5(3) + 2(-4) = 17$ $15 + (-8) = 17$ $7 \neq 17$ <p style="text-align: center;">No not a solution</p> | <p>5) Is the ordered pair $(-2, 8)$ a solution to: $y - 9 = 3x$?</p> $8 + (-9) = 3(-2)$ $-1 = -6$ $-1 \neq -6$ <p style="text-align: center;">No not a solution</p> |
| <p>2) Is the ordered pair $(-1, 3)$ a solution to: $-3x + 4y = 15$?</p> $-3(-1) + 4(3) = 15$ $3 + 12 = 15$ $15 = 15$ <p style="text-align: center;">Yes (solution)</p> | <p>6) Is the ordered pair $(1, -2)$ a solution to: $-5x - 3y = 1$?</p> $-5(1) + (-3)(-2) = 1$ $-5 + 6 = 1$ $1 = 1$ <p style="text-align: center;">Yes (solution)</p> |
| <p>3) Is the ordered pair $(-2, 7)$ a solution to: $2y + 6x = 2$?</p> $2(7) + 6(-2) = 2$ $14 + (-12) = 2$ $2 = 2$ <p style="text-align: center;">Yes (solution)</p> | <p>7) Is the ordered pair $(4, 6)$ a solution to: $2y + 3x = -10$?</p> $2(6) + (-3)(4) = -10$ $12 + (-12) = -10$ $0 \neq -10$ <p style="text-align: center;">No not a solution</p> |
| <p>4) Is the ordered pair $(9, -3)$ a solution to: $4y - 3x = 45$?</p> $4(-3) + (-3)(9) = 45$ $-12 + (-27) = 45$ $-39 \neq 45$ <p style="text-align: center;">No not a solution</p> | <p>8) Is the ordered pair $(-7, 2)$ a solution to: $19 + 2x = 2y$?</p> $19 + 2(-7) = 2(2)$ $19 + (-14) = 4$ $5 \neq 4$ <p style="text-align: center;">No (not solution)</p> |