(1 point) CUNY/CityTech/CollegeAlgebra_Trig/NonLinearSystems/line-parabola.pg Solve the following-system of equations: $y = (x-2)^2 + 6$ y-x=4

Solution(s):

- Enter your answers as points: (x, y)
- Because these systems are non-linear, you may have more than one solution.
- If you have more than one solution, enter your answers as a list of points: $(x_0, y_0), (x_1, y_1)$
- Use 'sqrt(...)' to enter radical answers, do not use decimal approximations

Hint:

Solution:

$$y-x=4$$

 $(x-2)^2+6-x=4$
 $x^2-4x+4+6-x=4$
 $x^2-4x-x+4+6-4=0$
 $x^2-5x+6=0$
 $(x-3)(x-2)=0$
 $x-3=0$ or $x-2=0$
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