

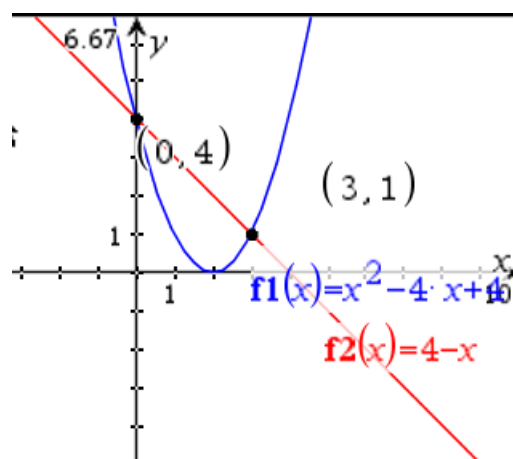
SAT calculator Monday 10/29

$$\begin{cases} y = x^2 - 4x + 4 \\ y = 4 - x \end{cases}$$

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solution

If the ordered pair (x, y) satisfies the system of equations above, what is one possible value of x ?

Calculator allowed
↓
graph
↓
intersection



2nd method: $x^2 - 4x + 4 = 4 - x$
 $+x$ $+x$

$$x^2 - 3x + 4 = 4$$
$$-4 - 4$$

$$x^2 - 3x = 0$$

$$x(x - 3) = 0$$
$$x = 0, 3$$

$$y = y$$

equal to 0

factor by GCF

solve for x