

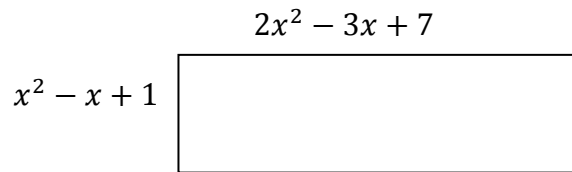
Name _____

Date _____

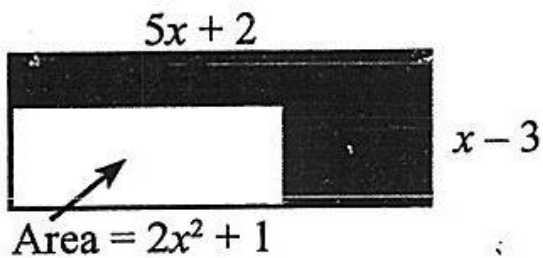
HW #6 Show All Work

Period _____

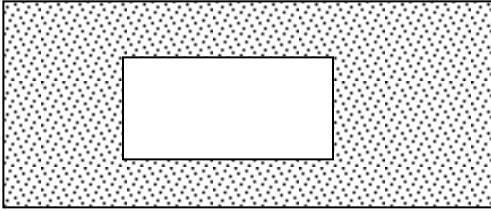
1) A rectangle has a length of $2x^2 - 3x + 7$ and a width of $x^2 - x + 1$. What is the perimeter of the rectangle?



2) Find the area of the shaded region.



3) Find the area of the shaded region if the dimensions of the larger rectangle are $(2x^2 + 4x + 3)$ by $(3x + 4)$ and the dimensions of the inside rectangle are $(x^2 - x + 2)$ by $(x + 1)$. **Then explain how you arrived at your answer and show all work! No credit will be given without an explanation.** The figure is not drawn to scale.



Explanation _____

