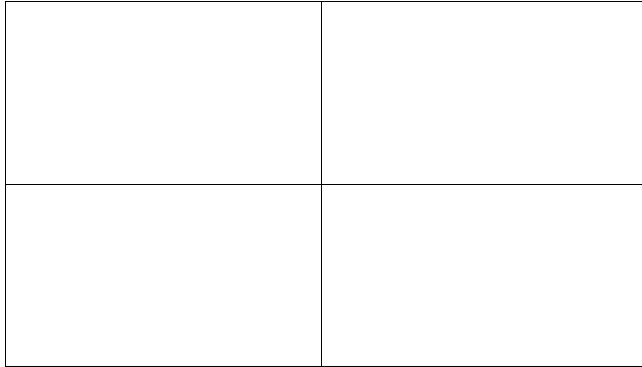


Name \_\_\_\_\_ Date \_\_\_\_\_

Instructions: Please show all of your work as partial credit will be given where appropriate, **and** there may be no credit given for problems where there is no work shown. All answers should be completely simplified, unless otherwise stated.

1. For  $x = \sqrt{3-t}$  and  $y = 2\sqrt{t-1}$  such that  $1 \leq t \leq 3$ , eliminate the parameter and graph the curve. Indicate if the curve is simple and/or closed.



Simple: T or F (circle one)

Closed: T or F (circle one)

2. Find the distance between the points  $(-2, 1, 2)$  and  $(4, -3, 6)$ .

distance = \_\_\_\_\_

