

Name _____

1-5A Lesson Master**Questions on SPUR Objectives**

See pages 60–63 for objectives.

REPRESENTATIONS Objectives K, L, M

In 1 and 2, use the table to answer the questions.

1. Use a graphing calculator to complete the table of values for $y = 0.34x + (1.93 - x)$.

Use your graphing calculator to find the value of $y = 0.34x + (1.93 - x)$ when $x = 20$.

x	$0.34x + (1.93 - x)$
1	1.27
11	
21	
31	
41	

2. Graph $y = x^3 - 3x^2 + 3x - 1$ on your calculator using the standard window.

- a. Sketch the graph in the box.



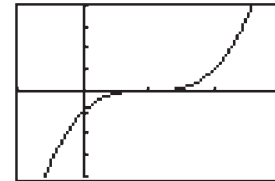
- b. Adjust the window so that it looks like the graph below. Find the new min and max values.

Xmin: _____

Xmax: _____

Ymin: _____

Ymax: _____



3. Use a graphing calculator to determine whether the expressions 1 and $-(x + 1)^2$ seem to be equivalent. Explain your reasoning.
- _____
- _____

4. Graph $y = 4(x - 1)(x - 2.5)(x + 5)$ on your calculator using the standard window.

- a. Explain why this is not an appropriate window.
- _____

- b. Find an appropriate window and describe it with two inequalities.
- _____