

Name \_\_\_\_\_

# 1-6A Lesson Master

## Questions on SPUR Objectives

See pages 60–63 for objectives.

### SKILLS Objective D

In 1–8, evaluate the expression.

1.  $|-89|$

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2.  $-|-16 - 4|$

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3.  $||-73| - |-8 \cdot -2| - 100|$

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4.  $-|-|8 \cdot -2 + 20||$

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5.  $-|w|$  for  $w = -80$

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6.  $|y - x|$  for  $x = -2.4$  and  $y = 27$

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7.  $-|a - |a||$  for  $a = -49$

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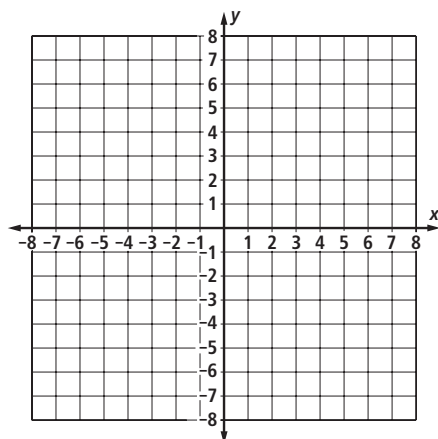
8.  $|-m + 6| - |m^2 + 3|$  for  $m = \frac{5}{8}$

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### REPRESENTATIONS Objective L

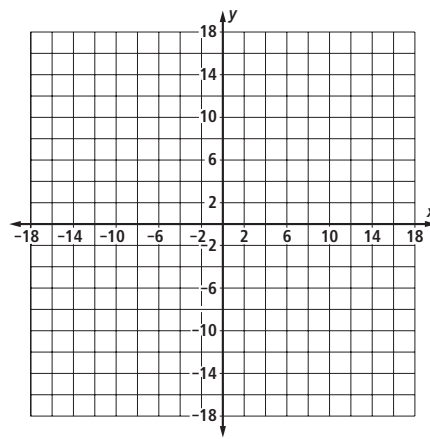
In 9 and 10, plot Y1 and Y2 on the grid and tell whether or not Y1 appears to be equivalent to Y2.

9.  $Y1 = x^2 - 1$ ,  $Y2 = |x^2 - 1|$



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10.  $Y1 = x^2$ ,  $Y2 = x \cdot |x|$



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In 11 and 12, tell whether the statement is *true* or *false*. Explain your answer.

11.  $|x| = -|-x|$

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12.  $3 \cdot |y| = 3 \cdot |-y|$

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