

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. $|-89|$

2. $-|-16 - 4|$

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

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

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

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

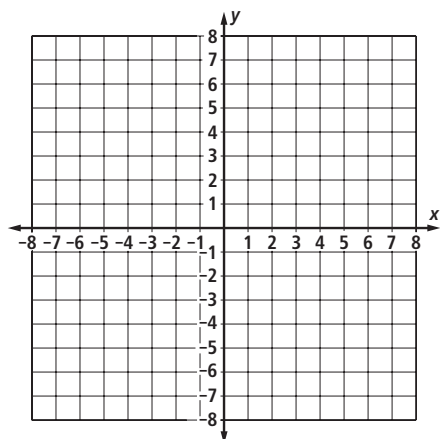
7. $-|a - |a||$ for $a = -49$

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

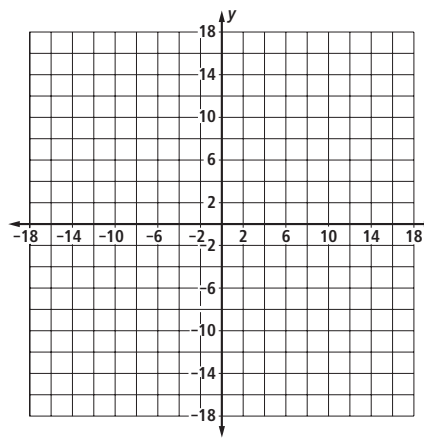
REPRESENTATIONS Objective L

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

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



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



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

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

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