

Name _____

1-6B Lesson Master

Questions on SPUR Objectives

See pages 60–63 for objectives.

SKILLS Objective D

In 1–8, evaluate the expression.

1. $|-74|$

2. $-|-10 - 6|$

3. $-2|-8|$

4. $4|-2(5)|$

5. $|-4| - 7|-2|$

6. $|20| + 3|-7|$

7. $|-50| - |4 \cdot -2|$

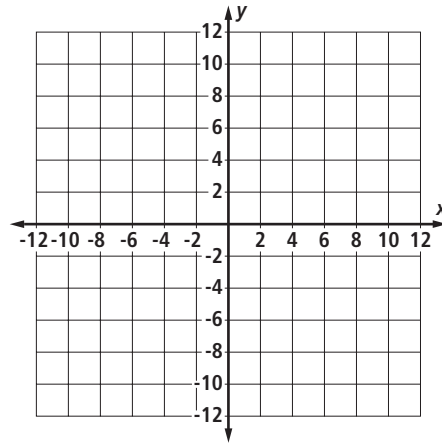
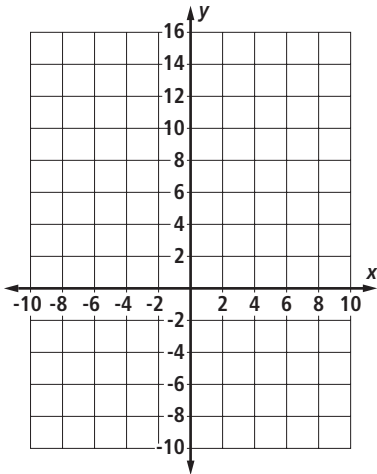
8. $-1 \left| |-8| \cdot \left| 4 \cdot -\frac{1}{8} \right| \right|$

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. $Y1 = |x^2 + 2x|$, $Y2 = |x| \cdot (x + 2)$

10. $Y1 = 3|x|$, $Y2 = |-3x|$



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

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

12. $5 \cdot |x| = 5 \cdot |-x|$

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SKILLS Objective D

In 13–20, evaluate the expression.

13. $-|x|$ for $x = -61$

14. $|-m|$ for $m = \frac{2}{3}$

15. $|c - d|$ for $c = 5.6$ and $d = -2.3$

16. $2|-fg|$ for $f = 20$ and $g = \frac{1}{10}$

17. $-|m^2 - 3|$ for $m = 3$

18. $-2(n + 7)^2$ for $n = 2$

19. $|-p + 8| - |4p|$ for $p = \frac{3}{2}$

20. $-|5y| \cdot |y - 3|$ for $y = -1.2$

REPRESENTATIONS Objective L21. Plot $Y1 = (x + 1) \cdot (x - 1)$ and $Y2 = x^2 - 1$ in the box and state whether or not $Y1$ appears to be equivalent to $Y2$.

In 22–25, find all values of the variable that satisfy the equation.

22. $|x - 7| = 20$

23. $-|y| = -10$

24. $|x + 12| = 18$

25. $|2y| = -6$
