

Name _____

3-9B Lesson Master

Questions on SPUR Objectives

See Student Edition pages 215–219 for objectives.

SKILLS Objective C

In 1–8, evaluate in your head.

1. $\lceil 15.7 \rceil$ _____

2. $\lfloor -4.\bar{3} \rfloor$ _____

3. $\lfloor 22 \rfloor$ _____

4. $\lceil -2.008 \rceil$ _____

5. $\lfloor 12\frac{3}{4} \rfloor$ _____

6. $7 \cdot \lceil 6 + 1.6 \rceil$ _____

7. $\lfloor \sqrt{50} \rfloor$ _____

8. $\lceil -8 \rceil$ _____

USES Objective K

9. **Multiple Choice** A pack of 50 sheets of construction paper is to be shared by s students. Which expression gives the number of sheets of paper each student may have? _____

- A $\lfloor \frac{50}{s} \rfloor$ B $\lfloor \frac{50}{s} \rfloor$ C $\lfloor -\frac{50}{s} \rfloor$ D $\lfloor 50s \rfloor$

10. Hot dog buns come in packages of 8. You need b buns for a barbecue. How many packages of buns must you purchase? _____

11. A first-grade classroom receives a gross (144) of pencils. There are s students in the classroom. Write an expression that represents the number of pencils each student may have. _____

12. The student council is taking part in a clothing drive. They receive 30 passes to the local movie theater for participating in the drive, and for each 50 items of clothing, they receive another 10 passes.

a. How many passes will the student council receive if they collect 736 items of clothing? _____

b. Let p represent the number of passes the student council receives for collecting c items of clothing. Write an equation relating p and c . _____

Name _____

3-9B

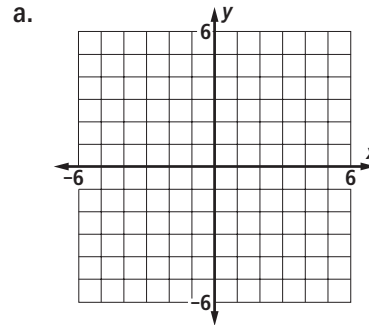
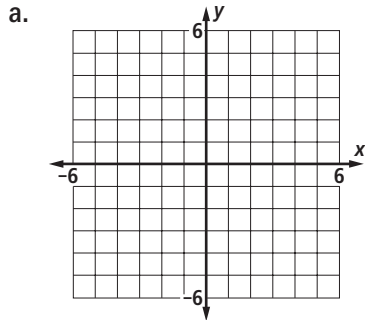
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REPRESENTATIONS Objective N

In 13 and 14, a function is given. a. Graph the function. b. Give its domain and its range.

13. $g(x) = \lfloor x \rfloor - 2$

14. $f(x) = 2\lfloor x \rfloor + 3$



b. domain: _____

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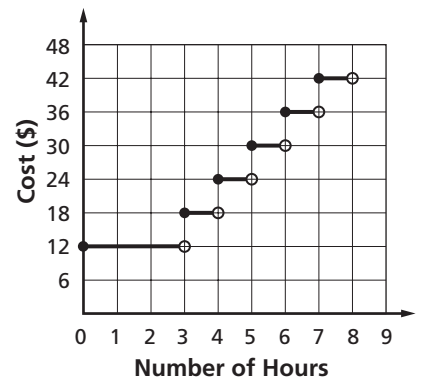
range: _____

range: _____

15. The graph at the right shows the cost of renting a bicycle. What would it cost to rent the bicycle for

a. 3 hours? _____

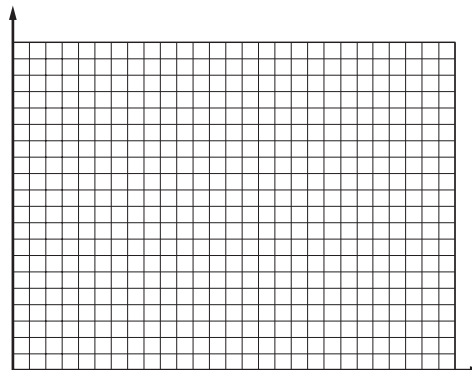
b. 5 hours? _____



In 16 and 17, the table at the right gives the cost of a school pencil at the Milbourne School from the years 1985 through 2007. The year reflects the first year that a particular price was in effect.

Year	Cost
1985	\$0.08
1989	\$0.12
1992	\$0.18
1997	\$0.20
2003	\$0.25
2005	\$0.30
2007	\$0.35

16. Make a graph of the pencil costs as a function of the year at the right.



17. Find the cost of a school pencil in each year.

a. 1986 _____

b. 1999 _____

c. 2006 _____