

Name _____

13-5A Lesson Master**Questions on SPUR Objectives**

See Student Edition pages 934–937 for objectives.

SKILLS Objective D

In 1–3, evaluate the expression.

1. $\binom{10}{8} =$ _____.

2. $\binom{13}{5} =$ _____.

3. $\binom{n}{1} =$ _____.

PROPERTIES Objective F

4. Rows 0 through 4 of Pascal's Triangle are given. Fill in the next three rows.

Row 0		1			
Row 1		1	1		
Row 2		1	2	1	
Row 3		1	3	3	1
Row 4	1	4	6	4	1
Row 5	_____				
Row 6	_____				
Row 7	_____				

5. Write row 7 of Pascal's Triangle in $\binom{n}{r}$ notation.

6. **Fill in the Blanks** $\binom{12}{2}$ is the _____ element in row _____ of Pascal's Triangle.7. Where in Pascal's Triangle is the element $\binom{21}{12}$? _____8. Use your completed triangle from Question 4 to find $\binom{6}{3}$. _____9. Solve for a and b : $\binom{8}{5} + \binom{8}{6} = \binom{a}{b}$. _____