

Name _____

7-7A Lesson Master

Questions on SPUR Objectives

See pages 452–455 for objectives.

SKILLS Objective B

- Steve has saved \$150. He plans to save an additional \$25 each month. To keep track of his savings, he wants to create a spreadsheet like the one at the right.
 - What formula can Steve enter in cell B4 to find the amount of money he has saved after 2 months?

 - Fill in the values in Column B.
 - Explain what the value in cell B7 represents.

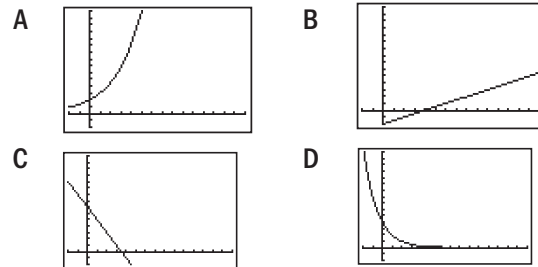
	A	B
1	Month	Money Saved
2	0	150
3	1	175
4	2	
5	3	
6	4	
7	5	
8	6	
9	7	
10	8	

USES Objective G

In 2–5, *multiple choice*. Each graph at the right is drawn on the window $-2 \leq x \leq 15$ and $-2 \leq y \leq 15$. Match each equation with its graph.

- $f(x) = -2x + 7$ 3. $g(x) = 4 \cdot 0.5^x$

- $h(x) = 2 \cdot 1.5^x$ 5. $j(x) = 0.5x - 2$



- Minnie and Max are twins. Currently their weekly allowance is \$5.00. Minnie wants her allowance to increase by \$3.00 each year. Max wants his to increase by 30% each year. The twins present their allowance proposals to their parents using a spreadsheet like the one at the right.
 - What formula can Minnie enter in B3 to display her allowance a year from now?

 - What formula can Max enter in C3 to display his allowance a year from now?

 - Which twin will have a greater weekly allowance for the next three years?

 - Which twin will have a greater weekly allowance six years from now?

	A	B	C
1	Year	Minnie's	Max's
2	0	5	5
3	1		
4	2		
5	3		