$\qquad$ Per A B C D E F Date: $\qquad$
PRACTICE

1. Given the graphs, equations and tables above, identify which tables of values are linear or non-linear functions. If it is a linear function, identify the slope.

2. For each graph describe the interval of increase, the interval of decrease, or constant interval.

$\qquad$ Per A B C D E F Date: $\qquad$
3. When Randall wakes up Thursday morning, there are $\mathbf{1 5}$ inches of snow on the ground. The meteorologist reports that because the air temperature is slowly increasing, the snow will melt at a rate of $\mathbf{1 . 5}$ inches per day for the next 8 days. Then extremely cold temperatures over the following $\mathbf{3}$ days will prevent the snow from melting anymore. However, on day 11 of this streak of winter weather, the meteorologist predicts steady snow for the next $\mathbf{5}$ days, but only $\mathbf{1 / 2}$ of an inch will accumulate per day.
Let $x$ represent the time in days since Thursday, and let $y$ represent the height of the snow


## REVIEW

4. State the domain and range of each relation. Then determine whether each is a function.
a.


Domain: $\qquad$
Range: $\qquad$

Function:
YES
NO

Reason: $\qquad$
b.

| $\boldsymbol{x}$ | $\boldsymbol{y}$ |
| :---: | :---: |
| -2 | 2 |
| -1 | 2 |
| 0 | 2 |
| 1 | 2 |
| 2 | 2 |

Domain: $\qquad$
Range: $\qquad$
Function: YES
NO

Reason: $\qquad$

