
Piecewise Schedule: An Introduction $\quad$ Name: $M r . B$.

Using the graph below, draw a function that represents the floor you are on throughout the school day. The horizontal axis represents +1time and the vertical axis represents the floor. You may need to use the bell schedule at the bottom left of this page.


| Period |  | Time |
| :---: | :---: | :---: |
| 0 |  |  |
| 1 |  | $8: 00-9: 00$ |
| 2 |  | $9: 05-10: 05$ |
| 3 | A | $10: 10-10: 40$ |
|  | B | $10: 45-11: 15$ |
| 4 | A | $11: 20-11: 50$ |
|  | B | $11: 55-12: 25$ |
| 5 | A | $12: 30-1: 00$ |
|  | B | $1: 05-1: 35$ |
| 6 |  |  |
| 7 |  | $1: 40-2: 40$ |

2) Using the graph above, finish this expression for a piecewise relation that represents $h$, for floor height.
represents $h$, for floor height.

|  | Floor | Time Condition |
| :---: | :---: | :---: |
| $h(t)=$ | 3 | $t=1^{\text {st }}$ Period |
| $h(t)=$ | 3 | $t=2^{\text {nd }}$ Period |
| $h(t)=$ | 3 | $t=3^{\text {rd }}$ Period |
| $h(t)=$ | 3 | $t=4^{\text {th }}$ Period |
| $h(t)=$ | 3 | $t=5^{\text {th }}$ Period |
| $h(t)=$ | 3 | $t=6^{\text {th }}$ Period |

$\square$



Format Painter
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Font

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Paragraph

AaBbCc］AaBbCcI AaBbCcI AaBbCc］Aaß AaBbccг AaBbCcI AaBbCcI | $\pi$ Heading 1 | $\pi$ Normal | $\pi$ No Spac．．．． | Heading 2 | Title | Subtitle | Subtle Em．．．Emphasis |
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「．Editing

Using the graphs below develop the conditional statements that define them by filling in the blanks．


4）


|  | Value | Condition |
| :---: | :---: | :---: |
| $\mathrm{g}(\mathrm{x})=$ | $\mathrm{x}^{2}$ |  |
|  |  | $\mathrm{x}=2$ |
|  | $10-\mathrm{x}$ |  |





3．$f(x)=-\frac{1}{3} x+6$ if $x \leq 3$

$D:(-\infty, 3]$
$R:[5,+\infty)$

5．$f(x)=3$ if $x \leq-5$


6．$f(x)=-2 x+5$ if $-1 \leq x<4$


