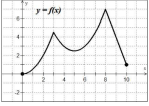
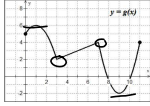
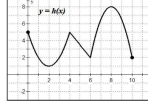
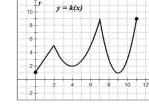


3.3 Extrema on an Interval Form A	3.3 Extrema on an Interval Form B
Name _____ Date _____ Period _____	Name _____ Date _____ Period _____
Use the graph below to answer the following, if possible: 	Use the graph below to answer the following, if possible: 
1. Absolute maximum $(8, 7)$	1. Absolute maximum $(1, 6)$
2. Absolute minimum $(0, 0)$	2. Absolute minimum $(9, -2)$
3. Relative maximum $(3, 5)$ $(8, 7)$	3. Relative maximum $(1, 6)$, $(7, 4)$
4. Relative minimum $(5, 2.5)$	4. Relative minimum $(3, 2)$, $(9, -2)$
5. Critical numbers $x = 3, 5, 8$	5. Critical numbers $x = 1, 3, 7, 9$
6. Interval(s) of increase $0 < x < 3$, $5 < x < 8$ $(0, 3) \cup (5, 8)$	6. Interval(s) of increase $0 < x < 1$, $3 < x < 7$, $9 < x < 11$
7. Interval(s) of decrease $3 < x < 5$, $8 < x < 10$ $(3, 5)$, $(8, 10)$	7. Interval(s) of decrease $1 < x < 3$, $7 < x < 9$
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3.3 Extrema on an Interval Form C	3.3 Extrema on an Interval Form D
Name _____ Date _____ Period _____	Name _____ Date _____ Period _____
Use the graph below to answer the following, if possible: 	Use the graph below to answer the following, if possible: 
1. Absolute maximum	1. Absolute maximum
2. Absolute minimum	2. Absolute minimum
3. Relative maximum	3. Relative maximum
4. Relative minimum	4. Relative minimum
5. Critical numbers	5. Critical numbers
6. Interval(s) of increase	6. Interval(s) of increase
7. Interval(s) of decrease	7. Interval(s) of decrease
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