Leap Frog: Teacher Cards

|  |  |
| --- | --- |
| If  is increasing,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is positive) | If  is positive,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is increasing) |
| If  is concave up,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is positive) | If  is positive,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is concave up) |
| If  changes from  to  at its only zero,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (has an absolute maximum) | If  changes from  to  at its only zero,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (has an absolute minimum) |
| If  has relative extrema,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (equals zero) | If  changes signs,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (has a point of inflection) |
| If  changes signs,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (has relative extrema) | If  is continuous, but not differentiable,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (has a vertical tangent) |
| If  has a relative maximum,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is negative) | If  has a relative minimum,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is positive) |
| If  has a relative minimum,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (changes from  to ) | If  changes from  to ,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (has a relative minimum) |

|  |  |
| --- | --- |
| If  changes from  to ,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (has a relative maximum) | If  has a relative maximum,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (changes from  to ) |
| If  is decreasing,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is negative) | If  is negative,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is decreasing) |
| If  is negative,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is decreasing) | If  is decreasing,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is negative) |
| If  is increasing,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is positive) | If  is positive,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is increasing) |
| If  changes from  to ,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (has a relative minimum) | If  has a relative minimum,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (changes from  to ) |
| If  has a relative maximum,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (changes from  to ) | If  changes from  to ,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (has a relative maximum) |
| If  is concave down,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is negative) | If  is negative,  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (is concave down) |