

MATH 161 WORKOUT 3 NAME: \_\_\_\_\_

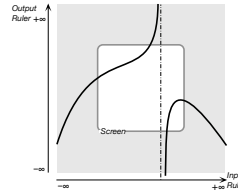
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[ Run: 01/23/2013 at 11:1. Order of Checkable Items: List.]

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**3-1.** Given the function  $f$  specified by the curve

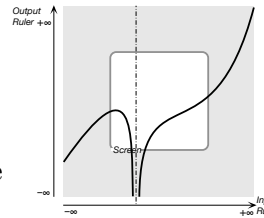
Local graph  $f|_{\text{near } +\infty}$



what is

**3-2.** Given the function  $f$  specified by the curve

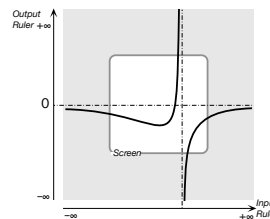
Local graph  $f|_{\text{near } -\infty}$



what is

**3-3.** Given the function  $f$  specified by the curve

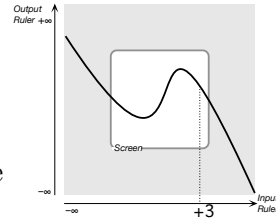
Local graph  $f|_{\text{near } \infty}$



find

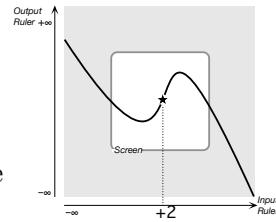
3-4. Given the function  $f$  specified by the curve

Slope-sign  $f|_{\text{near } +3}$



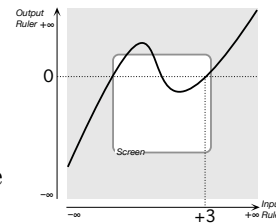
3-5. Given the function  $f$  specified by the curve

Concavity-sign  $f|_{\text{near } +2}$



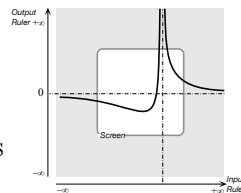
3-6. Given the function  $f$  specified by the curve

is Height-sign  $f|_{\text{near } +3}$



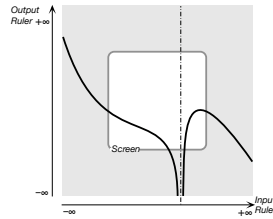
3-7. Given the function  $f$  whose graph is

sign  $f$  near  $\infty$ ?



**3-8.** Given the function  $f$  specified by the curve

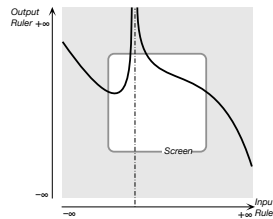
Slope-sign  $f \big|_{\text{near } \infty}$



what is

**3-9.** Given the function  $f$  specified by the curve

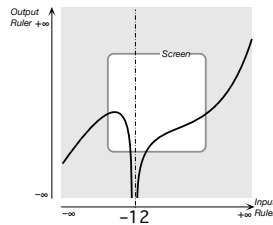
Height-sign  $f \big|_{\text{near } \infty}$



what is

**3-10.** Given the function  $f$  specified by the curve

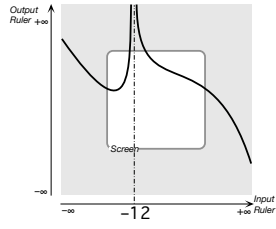
Height-sign  $f \big|_{\text{near } -12}$



what is

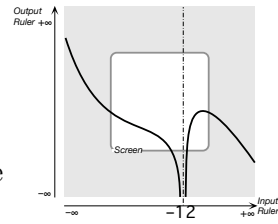
**3-11.** Given the function  $f$  specified by the curve

4



what is Concavity-sign  $f|_{\text{near } -12}$

**3-12.** Given the function  $f$  specified by the curve



what is

Slope-sign  $f|_{\text{near } -12}$