

## MATH 161 CLASSWORK 6 NAME: \_\_\_\_\_

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[ Run: 02/05/2014 at 19:22 Seed: 6477. Order of Checkable Items: List.]

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**6-1.** Let  $f$  be the function specified by the global input-output rule

$$x \xrightarrow{f} f(x) = +23.92x^{+5}$$

find the *essential global* graph of  $f$ .

**6-2.** Let  $f$  be the function specified by the global input-output rule

$$x \xrightarrow{f} f(x) = -82.89x^{+7}$$

find the *essential global* graph of  $f$ .

**6-3.** Let  $f$  be the function specified by the global input-output rule

$$x \xrightarrow{f} f(x) = +82,89x^{+4}$$

find the *essential global* graph of  $f$ .

**6-4.** Let  $f$  be the function specified by the global input-output rule

$$x \xrightarrow{f} f(x) = -32.51x^{+4}$$

find the *essential global* graph of  $f$ .

**6-5.** Let  $f$  be the function specified by the global input-output rule

$$x \xrightarrow{f} f(x) = +29.84x^{-7}$$

find the *essential* global graph of  $f$ .

**6-6.** Let  $f$  be the function specified by the global input-output rule

$$x \xrightarrow{f} f(x) = -75.83x^{-5}$$

find the *essential global* graph of  $f$ .

**6-7.** Let  $f$  be the function specified by the global input-output rule

$$x \xrightarrow{f} f(x) = +92.56x^{-4}$$

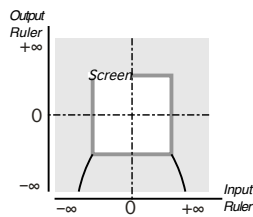
find the *essential* global graph of  $f$ .

**6-8.** Let  $f$  be the function specified by the global input-output rule

$$x \xrightarrow{f} f(x) = -77.02x^{-4}$$

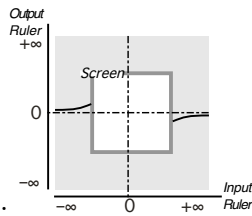
find the *essential* global graph of  $f$ .

**6-9.** Given the *power* function  $f$  whose local graph near  $\infty$  is



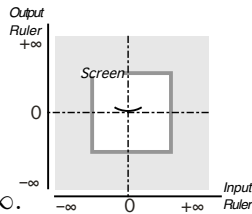
find its local graph near 0.

**6-10.** Given the *power* function  $f$  whose local graph near  $\infty$  is



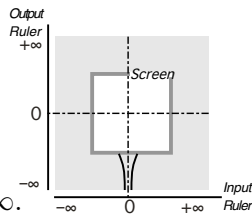
find its local graph near 0.

**6-11.** Given the *power* function  $f$  whose local graph near 0 is



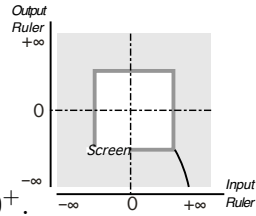
find its local graph near  $\infty$ .

**6-12.** Given the *power* function  $f$  whose local graph near 0 is



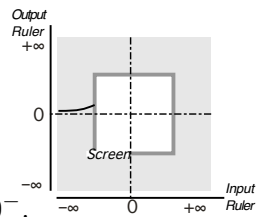
find its local graph near  $\infty$ .

**6-13.** Given the *power* function  $f$  whose local graph near  $+\infty$  is



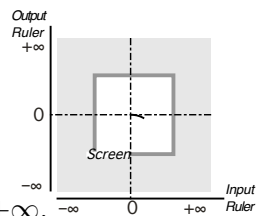
find its local graph near  $0^+$ .

**6-14.** Given the *power* function  $f$  whose local graph near  $-\infty$  is



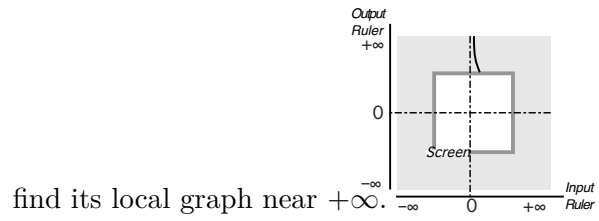
find its local graph near  $0^-$ .

**6-15.** Given the *power* function  $f$  whose local graph near  $0^+$  is

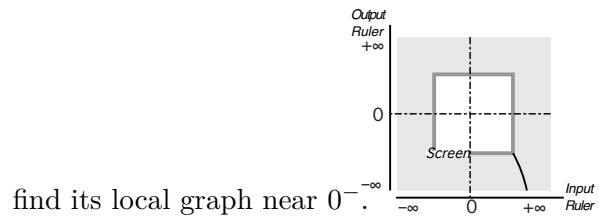


find its local graph near  $+\infty$ .

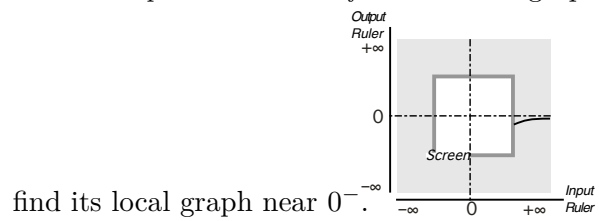
**6-16.** Given the *power* function  $f$  whose local graph near  $0^+$  is



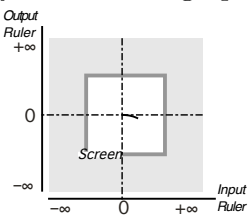
**6-17.** Given the *power* function  $f$  whose local graph near  $+\infty$  is



**6-18.** Given the *power* function  $f$  whose local graph near  $+\infty$  is



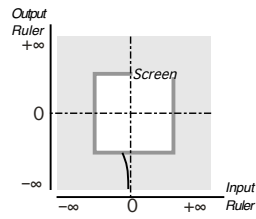
**6-19.** Given the *power* function  $f$  whose local graph near  $0^+$  is



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find its local graph near  $-\infty$ .

**6-20.** Given the *power* function  $f$  whose local graph near  $0^-$  is



find its local graph near  $+\infty$ .