Section 2.2

<div align="center">

The graphs of $y = x^{m/n}$

(assuming m/n is in reduced form.)

</div>

Remember that $x^{m/n} = \sqrt[n]{x^m}$.
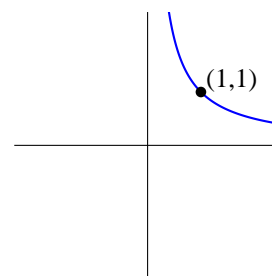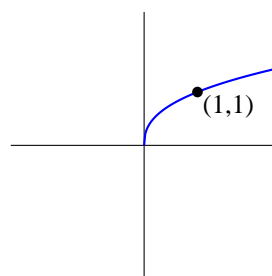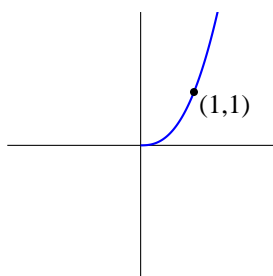
If n is even, then $x^{m/n}$ is undefined for $x < 0$.

If n is odd, then $x^{m/n}$ is even or odd depending on whether m is even or odd.
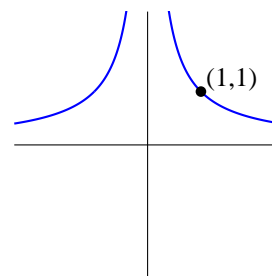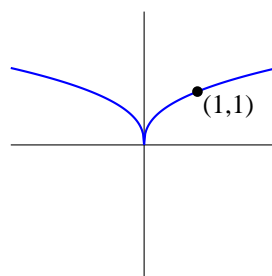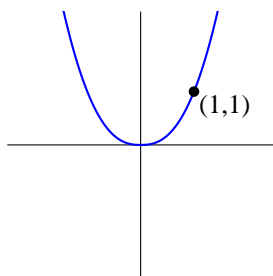
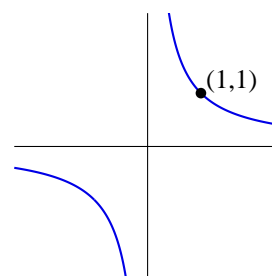|	$\dfrac{m}{n} > 1$	$0 < \dfrac{m}{n} < 1$	$\dfrac{m}{n} < 0$

n even

n odd
m even

n odd
m odd
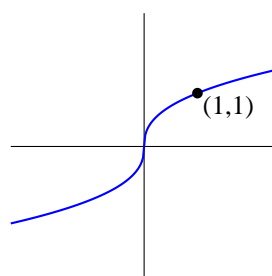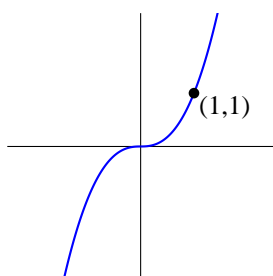
notes:

	Tangent to the x-axis.	Tangent to the y-axis.	x- and y-axes are asymptotes.