Name: $\qquad$ Date: $\qquad$
Learning Target: I can identify the parent function and transformations of the reciprocal function family.
Directions: Complete the following problems. Use the video if you need help or reminders.

1. The parent function for the reciprocal function family is $\qquad$ .
2. The general equation transforming a reciprocal function is: $\qquad$ in which a causes $\qquad$ and $\qquad$ ,h $\qquad$ , and $k$ $\qquad$ _.


Answer the following questions:

| 1. Write the equation that models a translation of <br> the graph $y=\frac{1}{x}$ with asymptotes of $x=-2$ <br> and $y=5$. | 2. Using the equation $y=\frac{6}{x-2}-5$, identify the <br> parent function and describe the transformations. |
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