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### 8-3 graphing reciprocal functions worksheet answers

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Solution:  $x = 0.2, 0.5, 1, 2, 3, 4, 5, y = 25, 10, 5, 2.5, 1, x = 0.2, 0.5, 1, 2, 3, 4, 5, y = 25, 10, 5, 1.25, 1$  but should be considered as one graph. How do I use transformation to chart reciprocal functionality? Introduction to mutual functions, identification of asymptotes and graphs of mutual functions, stretching, shrinking and translating mutual functions and graphing of mutual functions.  $y = \frac{1}{x}$  and  $y = a/(x - h) + k$ . Stretch when  $a > 1$  and shrink when  $0 < a < 1$ . Graphs for positive and negative a values.  $h$  translates horizontally and to translates vertically. Examples: Compare the graphs  $y = \frac{1}{x}$ ,  $y = \frac{1}{5x}$  and  $y = \frac{1}{1/5x}$  Compare the graphs  $y = \frac{1}{x}$  and  $y = -\frac{1}{x}$  Compare the graphs  $y = \frac{1}{x}$ ,  $y = \frac{1}{x - 4}$  and  $y = \frac{1}{x} - 4$  Graph  $y = \frac{2}{x - 4} + 1$  to Show Video Lesson Describe The Characteristics Of The Reciprocal Function  $f(x) = \frac{1}{x}$  Explain the domain, range, vertical and horizontal asymptotes. 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Solution:  $x = 4, 3, 2, 1, 0.8, 0.8, 1, 2, 3, 4, y = 0.19, 0.33, 0.75, 3, 4.69, 4.69, 3, 0.75, 0.33, 0.19$  Note that the graphs  $y = \frac{1}{x}$ , where  $k$  is the real number and  $x \neq 0$ , has an axis of symmetry on the y-axis (i.e.  $x = 0$ ) Try the free Mathway calculator and problem solver below to practice various math topics. Try these examples or enter your own problem and check your answer with a detailed explanation. We welcome your feedback, comments and questions about this site or page. Please send your feedback or questions via our feedback page. 100%(1)100% found this document useful (1 vote) 3K views1 pageBack To TopAboutSupportHelp/FAQAccessibilityCount helpAdChoicesPublishersLegal Loading Related Pages Reciprocal Functional Graphs Features How to Chart Reciprocal Features? There are several forms of mutual functions. One of them has the shape  $y = \frac{1}{x}$ , where  $k$  is a real number and  $x \neq 0$ . 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