PreCalculus Name_____ ID: 1

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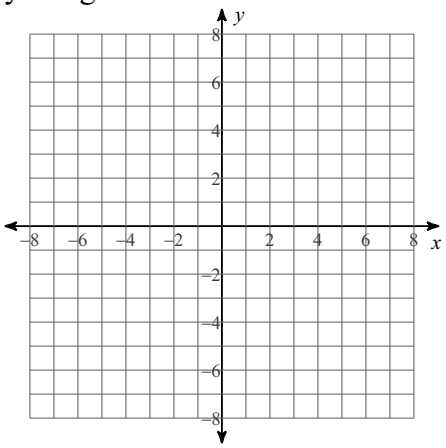
3.2 B Graphing Log Functions

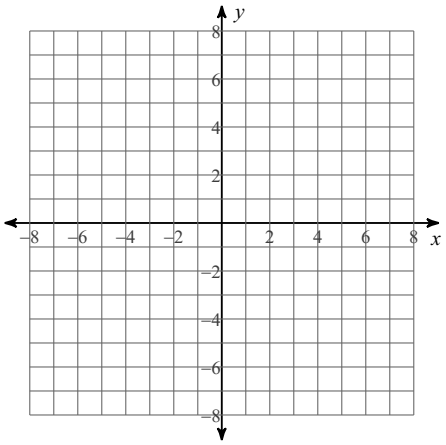
Date_____ Period____

State the domain and range. Sketch the graph.

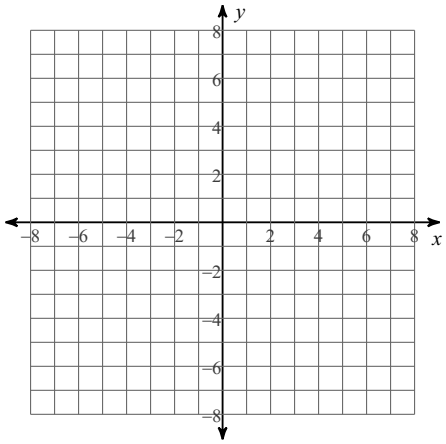
1) $y = \log x$



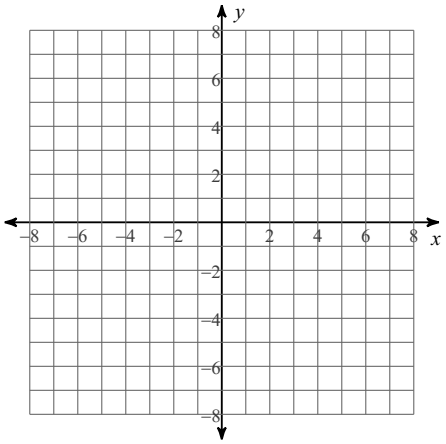
2) $y = \log(x - 1) + 3$



3) $y = \log_4(x - 1) + 1$



4) $y = \log_3(x + 5)$



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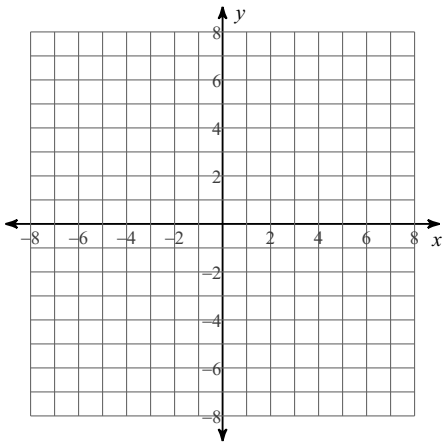
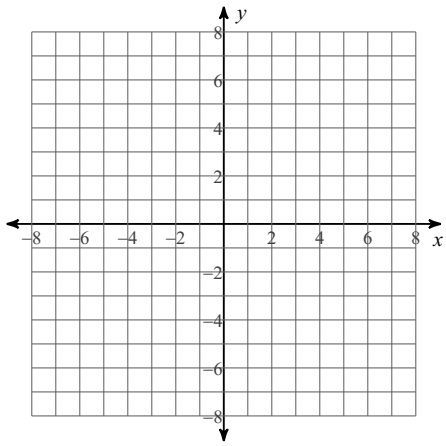
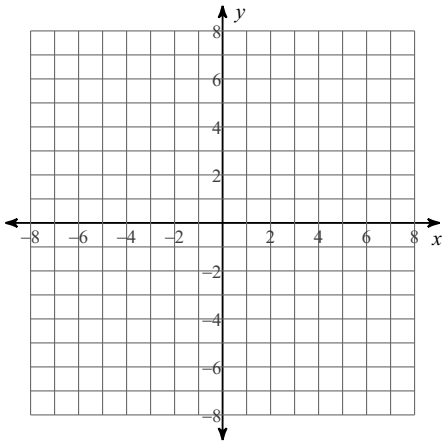
5) $y = \log_5 (x + 6) + 5$



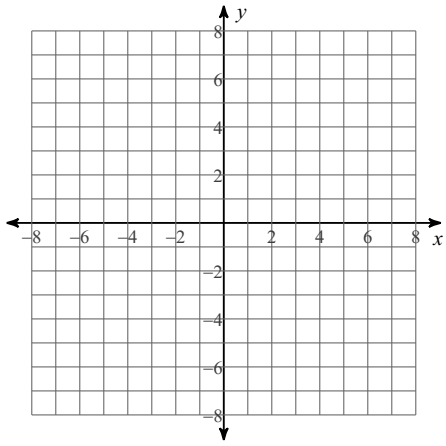
6) $y = \log_4 (x + 3) - 2$



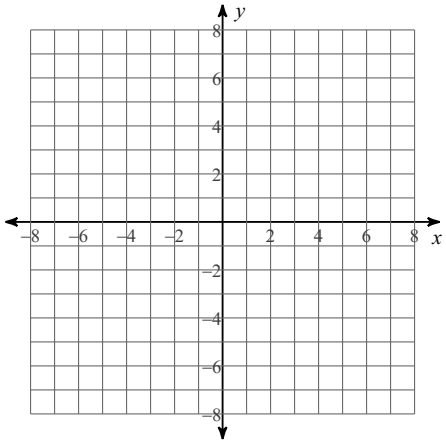
7) $y = \log_3 (x - 2) + 2$



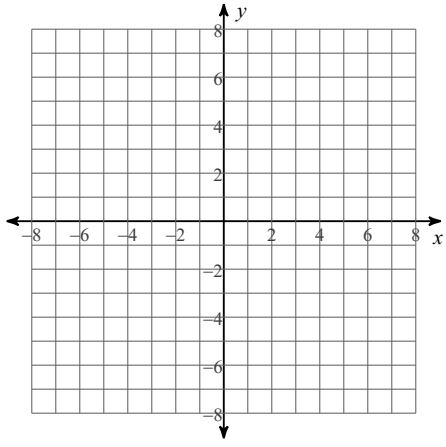
8) $y = \log_5 (x - 1) - 2$



9) $y = \log_2 (x - 1) + 3$



10) $y = \ln (x - 1) - 4$



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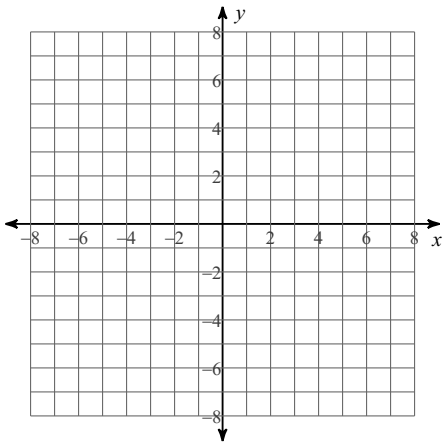
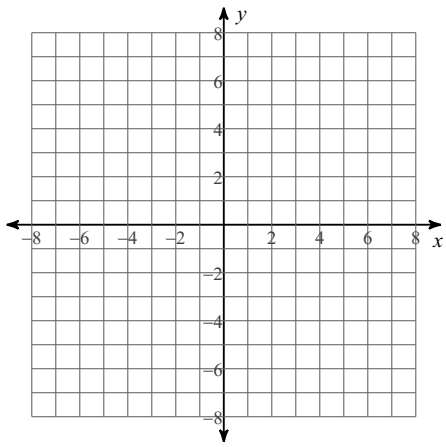
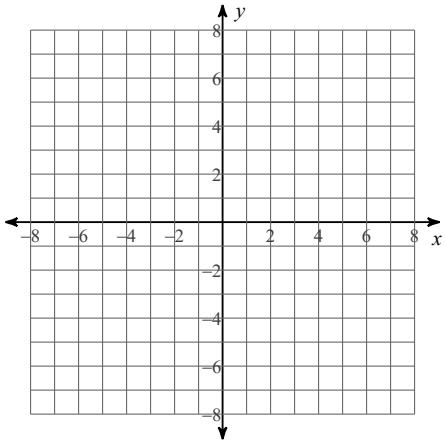
11) $y = \log_5 (x + 5) + 5$



12) $y = \log_2 (2x + 9) - 4$



13) $y = \log_3 (2x - 2) - 3$



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