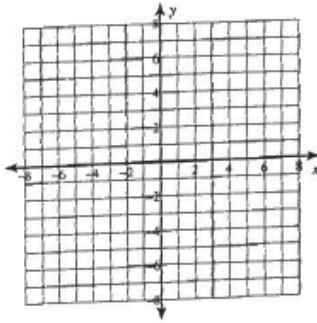


PC Sp15 Week 3 HW

Answers will be posted online on Monday, Feb. 2!

Graph each of the following functions. Use at least one point and identify any asymptotes.

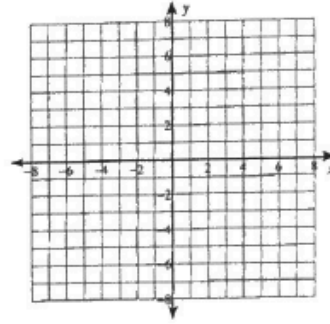
1. $f(x) = \log_2(x+3) - 1$



Domain:

Range:

2. $f(x) = 3(5)^x + 2$



Domain:

Range:

Solve each of the followed equations. If necessary, round answers to **two** decimal places.

3. $16^{x-7} + 5 = 24$

4. $2\log_7(-2r) = 0$

5. $e^{x-1} - 5 = 5$

6. $\log_{12}(x^2 + 35) = \log_{12}(-12x - 1)$