Name Selected Answers Period

Score: ____/____ ____%

**HW 6-5 HONORS: Solve Systems using a Graphing Calculator**

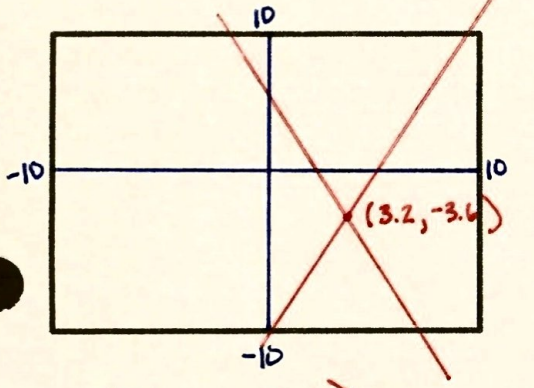
**Part 1:** Use a graphing calculator to determine the best window to view the solution to the system of equations. Draw a quick sketch of the system in the best window. (Make sure you draw your axes and label your min and max for each axis.)

**Part 2:** Use a graphing calculator to solve the system. Write the solution on your graph. Round the coordinates to the hundredths place, if necessary.

1.

$f(x) = -3x + 6$

$g(x) = 2x - 10$




(3.2, -3.6)

2.

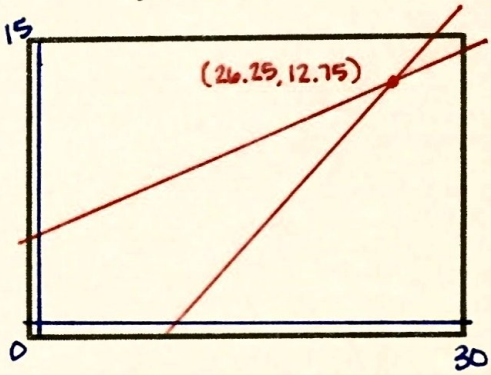
$f(x) = -25x$

$g(x) = 50x - 120$

3.

$-x + 3y = 12$

$5x - 7y = 42$




(26.25, 12.75)

4.

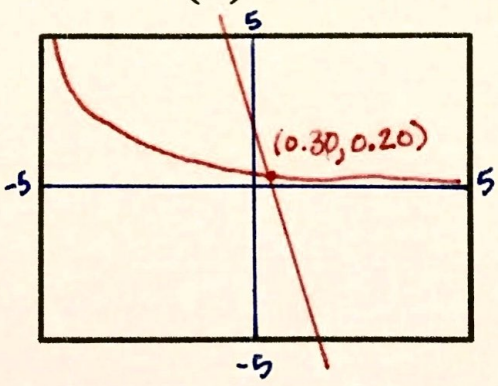
$f(x) = 5x + 4$

$g(x) = 4^x$

5.

$f(x) = -6x + 2$

$g(x) = \left(\frac{1}{2}\right)^{x+2}$




(0.30, 0.20)

6.

$-24x + 10y = 90$

$y = 6^x + 10$

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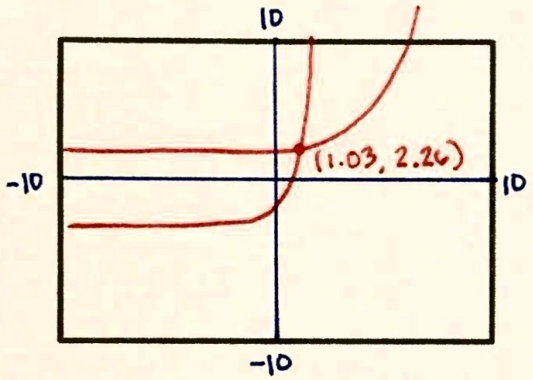
7.

$f(x)=5^x-3$

$g(x)=2^{x-3}+2$

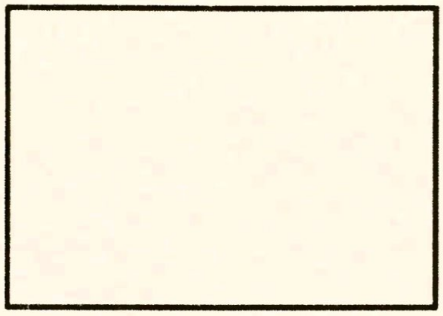



(1.03, 2.26)

8.

$f(x)=5\left(\frac{1}{4}\right)^x-1$

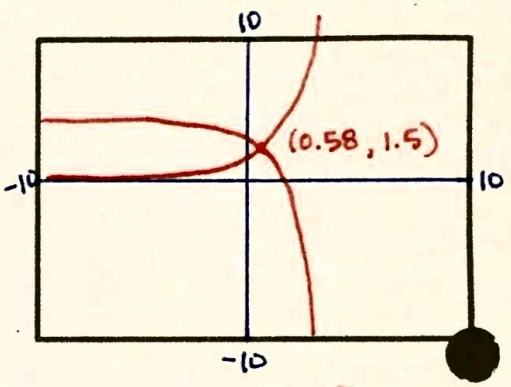
$g(x)=2\left(\frac{1}{3}\right)^x$



9.

$f(x)=2^x$

$g(x)=-2^x+3$

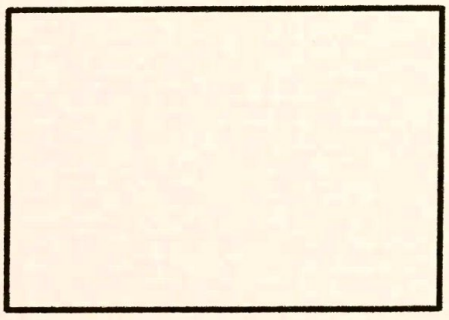



(0.58, 1.5)

10.

$f(x)=7^x+4$

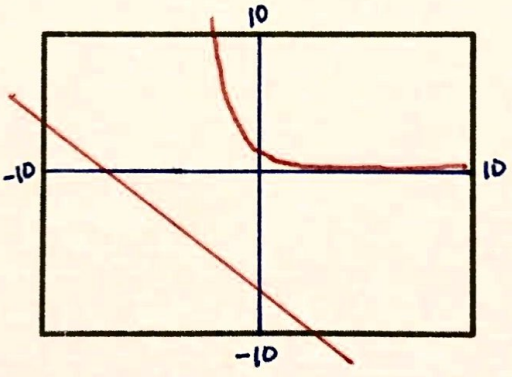
$g(x)=7^x$



11.

$f(x)=\left(\frac{1}{3}\right)^x$

$g(x)=-x-7$




No Solution