

Name _____

Period _____ Date _____

Practice 1.2.2 – Day 2

Remember to show your work!

1-95. Solve each equation.

a. $-2(x + 4) = 35 - (7 - 4x)$

b. $\frac{x-4}{7} = \frac{8-3x}{5}$

1-96. Given the points A(3,2) and B(-21,0), determine:

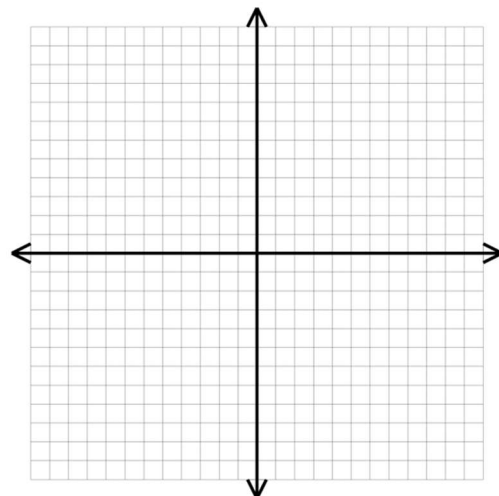
a. The slope of the line AB.

b. The length of line segment AB.

c. The midpoint of line segment AB.

d. An equation of line AB.

1-97. Graph the function $h(x) = 2x^2 + 4x - 6$ and then **completely describe** the graph.



1-99. Rewrite each expression below as an equivalent expression without negative exponents.

a. 5^{-2}	b. xy^{-2}
c. $(xy)^{-2}$	d. $a^3b^4a^{-4}b^6$

1-104. Solve each equation. Give solutions in **both exact and approximate** forms. Homework Help 

a. $x^2 + 3x - 3 = 0$

b. $3x^2 - 7x = 12$

1-109. Use any method to determine the points of intersection of $f(x)=2x^2-3x+4$ and $g(x)=x^2+5x-3$.
(Hint...you might try setting them equal to each other).