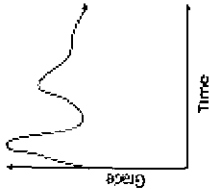


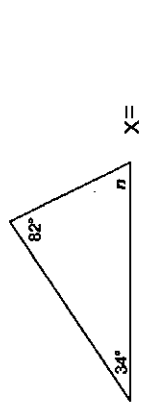
ALGEBRA SPIRAL REVIEW

Label the graph.

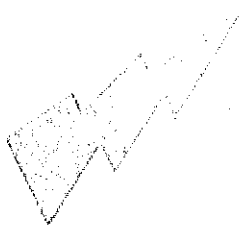
Jess's Math Grades



Solve for x.



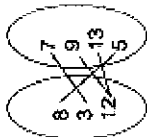
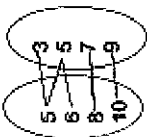
Find the sum of the interior angles.



Write the equation in point-slope form.

$m=9$ $(-7,4)$ _____
 $m=-5$ $(5,-1)$ _____

Is the relation a function?



Find the x and y-intercepts of the lines.

$5x+7y=35$ _____

$3x+5y=72$ _____

Solve

The school that Stefan goes to is selling tickets to a choral performance. On the first day of ticket sales the school sold 3 senior citizen tickets and 1 child ticket for a total of \$38. The school took in \$52 on the second day by selling 3 senior citizen tickets and 2 child tickets. Find the price of a senior citizen ticket and the price of a child ticket.

child _____ senior _____

Write a rule and complete the table

1.	Input	Output
	1.8	0
	4.5	3
	6.3	5
	8.1	7

Solve.

$(12 \div 3)^2$ _____

$\sqrt{100 - 36}$ _____

$9 \cdot \sqrt{25}$ _____

$6 + [12 \div (2 \cdot 3)]$ _____

Write the repeating decimal as a fraction.

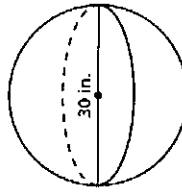
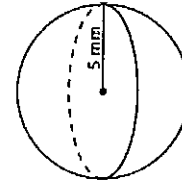
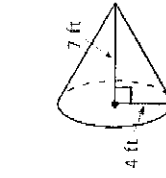
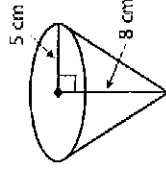
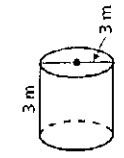
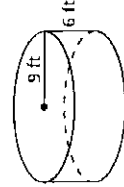
$0.\overline{15}$ _____ $0.\overline{09}$ _____

Find the distance between the points.

$(-2, 3), (6, 9)$ _____

$(0, 5), (4, 1)$ _____

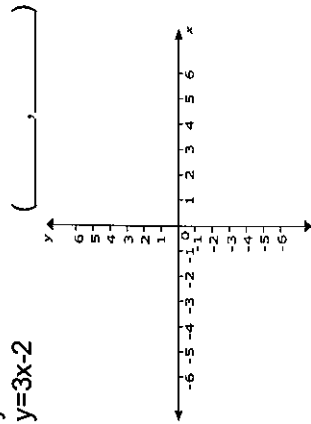
Find the volume.



Solve by graphing.

$y = -4x + 5$

$y = 3x - 2$



Find the distance between the points.

$(8, 5)$ and $(-1, 3)$

Draw a graph for the situation:

You are going to watch a play in the theatre.

Tell whether these are right triangles.

6.4, 12, 12.2 _____

7.2, 2.1, 7.5 _____

Solve by substitution.

$4x + y = 24$

$y = -4x + 24$ (_____)

Solve by elimination.

$-10y + 9x = -9$

$10y + 5x = -5$ (_____)

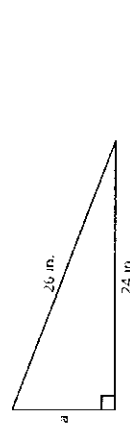
Use a function table to graph the equation.

$y = 9x + 12$

Write an equation of a perpendicular and parallel line.

$y = 5x + 6$ (4, 3) _____

Find the missing side.



Solve

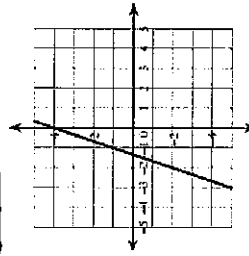
A high school has a total of 850 students. There are 60 more female students than there are male students. Write a system of linear equations that represents this situation.

female _____ male _____

Write an equation in slope intercept form.

$(-2, 8)$ and $(5, -6)$

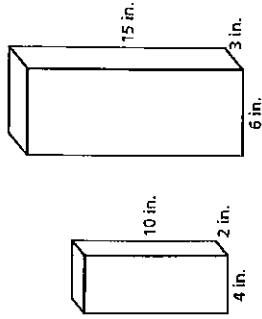
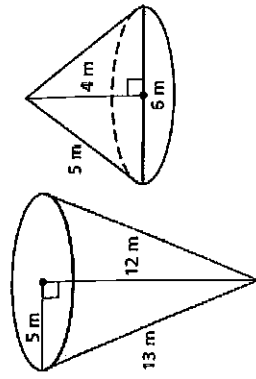
Write a linear function for the graph.



Find the distance between the points.

$(-2, 3)$ and $(-7, -7)$

Determine whether the solids are similar.



The solids are similar. Find the missing dimensions.

