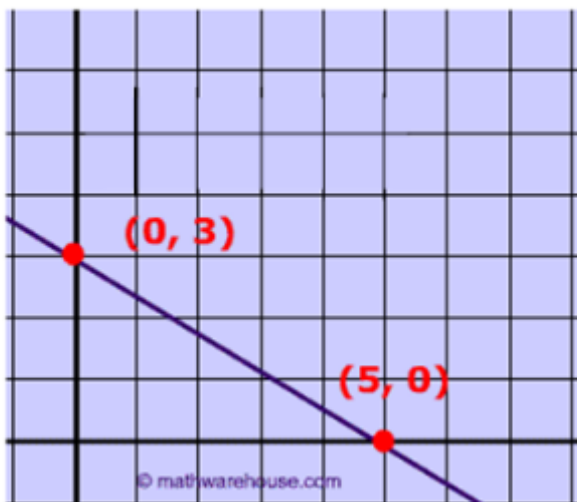


name _____ block _____ Week x Week #29A: 4/17 – 4/24, 2015

Solve each problem. Make sure that you show ALL WORK involved in solving the problem in order to get full credit.



Write the equation of the line graphed above in:

Slope-Intercept: _____

Point-Slope: _____

Standard: _____

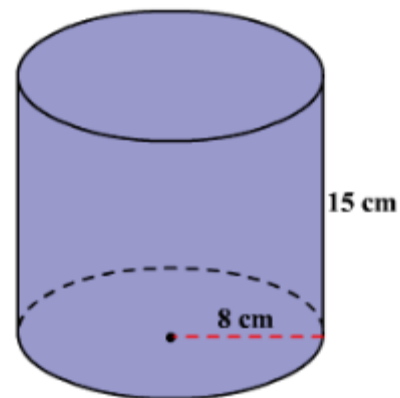
Write the equation of the line that is perpendicular to the line ← graphed here and goes through the point (2,1) in:

Slope-Intercept: _____

Point-Slope: _____

Standard: _____

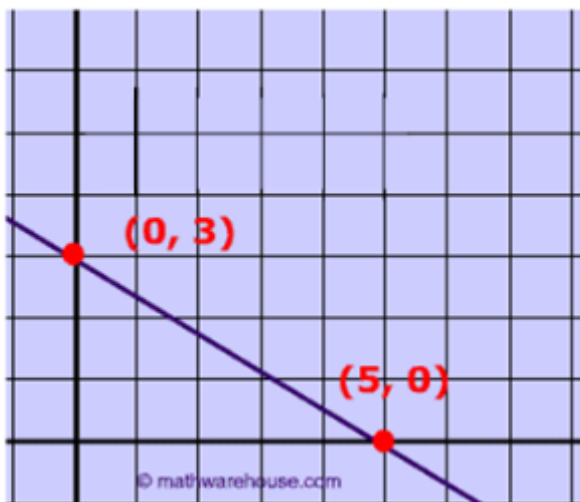
A triangle has vertices A(-2,5), B(1,4), and C(-4,-2). If the triangle undergoes a dilation with a scale factor of $\frac{1}{2}$, what will be the vertices of the image?



Find the volume of the cylinder if it is only one-third of the way full.

name _____ block _____ Week x Week #29A: 4/17 – 4/24, 2015

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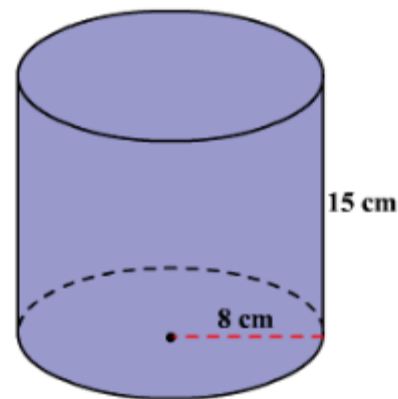
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Factor:

- $mn + 5m - 3n - 15$

- $y^2 - 9y + 20$

- $5x^2 - 80$

Simplify:

- $\left[\frac{3^{-1}}{(-2)^{-2}}\right]^{-2}$

- $(cd^{-1})^{-1}$

The number of pages that Emily can read varies directly with the time she spends reading. Write an equation expressing direct variation if she can read 13 pages in 25 minutes.

How many pages can Emily read in 2 hours?

Ms. Nikolaus drove 211 miles in 4 hours and 30 minutes. Find her rate in miles per hour.

The Sluggers go out for pizza after a game. Five large pizzas plus three medium pizzas together have 110 slices. Two large pizzas plus nine medium pizzas have 122 slices. How many slices are in each size?

Solve & graph:

$$5(8 - 2m) \leq 2 + 16(4 + m)$$

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