

Assignment R

Sec. ____

This review assignment is due the first day of class. If the assignment seems difficult, then consider refreshing your algebra and triangle trigonometry skills with either MATH 137 or the short online refresher courses Algebra Prep for Math 12 and Trig Prep for Math 12 at

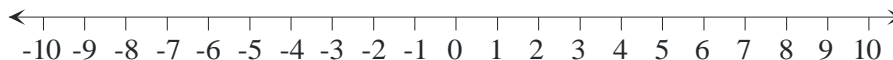
<https://sites.google.com/site/mathchaircamosun/home/ALEKS-prep-courses>

No calculators. Show all of your work in the space provided.

1. Simplify: $\frac{x^4 - 16}{x^2 - 10x + 16}$

2. Combine: $\frac{1}{x-1} - \frac{1}{x+1}$

3. Solve and graph your solution on the number line: $3x - x - 7 \leq 4 - x + \frac{20}{10}$



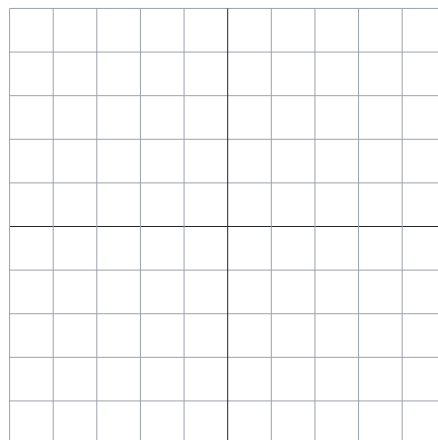
4. Solve $S = 2r^2 - 2rh$ for h .



5. Solve the following system of equations $\begin{cases} 3x + 2y = 3 \\ 5x + 4y = 16 \end{cases}$ algebraically.



6. Graph the two linear equations from the previous question and show the solution for the system on the graph.



9. One side m les

of the (1) angles