Name	Period	Date
Ms. Schmidt Bi-Weekly Homewo	ork Quiz 15	Pre-Calculus
This is a weekly homework quiz that will be given every week and is due back the following Tuesday.		
This quiz is due back: April 23 <sup>rd</sup> , 2018		
To receive full credit, all work must be shown. Any correct answer without work shown will receive only 1 point.		
1) A resultant force of 143 pounds is needed to move a 360 and 470 with the resultant force. Find to the near		· ·

2) Determine if the function has any vertical asymptotes, horizontal asymptotes, slant asymptotes and holes. Also find any x-intercepts, y-intercepts and the domain of the function.  $f(x) = \frac{-x^2 + 7x - 12}{x^2 - x - 12}$ 

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3) Verify the trig identity:  $\tan^2 x + 1 + \tan x \sec x = \frac{1+\sin x}{\cos^2 x}$ 

4) Solve:  $\log_8(x-6) + \log_8(x+6) = 2$ 

5) Solve the equation for the interval  $0 \le x < 2\pi$  $2 \sin^2 x - 5 \sin x - 3 = 0$