of 7	$x = \frac{1}{-5.25}$	Solve for x $\frac{x+5}{x} - \frac{3}{7} = \frac{2}{x}$	$\frac{3x-9}{(x-2)(x+1)}$ #2 Points possible: 10. Total attempts: 1		$ \circ \frac{3}{(x-2)(x+1)} $ $ \circ \frac{3x-9}{(x-2)(x+1)} $	Combine and simplify: $\frac{-1}{x-2} + \frac{4}{x+1}$	Math Problem Set 4 Show Scored View #1 Points possible: 10. Total attempts: 1	VAMAP Assessment
4/18/14, 1:44 PM							Name: Neal Nelson	https://www.wamap.org/assessment/printtest.php
2 of 7 4/18/14, 1:44 PM			$\frac{1}{2} + \frac{1}{x+3} = 7/10$	 It uses the information as it is given above. It can be solved to answer the question. Equation:	The sum of the reciprocal of a positive number and the reciprocal of 3 more than the number is $\frac{t}{10}$. Find the number. Write an equation with the following characteristics: 1. It uses x to represent the number.	$x = \frac{x}{-2}$ #4 Points possible: 10. Total attempts: 1	#3 Points possible: 10. Total attempts: 1 Solve for x $\frac{x-1}{x} + \frac{1}{2} = \frac{-4}{x}$	WAMAP Assessment https://www.wamap.org/assessment/printtest.php

3 of 7 4/18/14, 1:44 PM	#5 Points possible: 10. Total attempts: 1 The Doppler effect causes a sound moving towards you to sound higher pitched and a sound moving away from you to sound lower pitched, like observed in listening to the car horn in the video. The equation for this is $f = \left(\frac{c}{c+v}\right) f_0$, where f_1 is the observed frequency of the sound source, in this case the car, in miles per hour. f_0 is the frequency of the sound source in this case the car, in miles per hour f_0 is the frequency of the sound when stationary Using a spectrum analyzer, we could determine the observed frequency when the car was driving towards us was 270 Hz and the frequency while driving away was 240 Hz, suggesting a stationary frequency of 225 Hz. Use this information and the equation to estimate the speed of the car in miles/hour, to 1 decimal place. mihr	WAMAP Assessment https://www.wamap.org/assessment/printtest.php
4 of 7 4/18/14, 1:44 PM	 #6 Points possible: 10. Total attempts: 1 A chemist has in a beaker 90 nrL of solution consisting of 30% acid. a. Write an equation for the concentration of acid in the solution after adding x nrL of pure water. Concentration =	WAMAP Assessment https://www.wamap.org/assessment/printtest.php

4/18/14, I:44 PM	The speed of the current is miles per hour. 4	 #11 Points possible: 10. Total attempts: 1 A boat, which moves at 31 miles per hour in water without a current, goes 945 miles upstream and 945 miles back again in 62 hours. Find the speed of the current to the nearest tenth. 	$\frac{16}{7-c} = \frac{40}{7+c}$	How fast is the river's current? miles per hour	 Enter an equation with the following properties: 1. It uses the variable c to represent the speed of the river's current in miles per hour. 2. It uses the information as it is given above. 3. It can be solved to answer the question. Equation:	#10 Founts possible: 10. Total attempts: 1 Antonio can paddle his kayak 7 miles per hour in still water. It takes him as long to paddle 16 miles upstream as it takes him to travel 40 miles downstream. Determine the speed of the river's current.	10 Dointe monikla: 10 Tatal attamate: 1	•	$\frac{640}{r} = \frac{200}{r-110}$	flipp	Using <i>r</i> as your variable to represent the speed of the plane in miles per hour, write an equation using the information above that can be solved to find the answer to this problem. Equation:	A plane can fly 640 miles in the same time as it takes a car to go 200 miles. If the car travels 110 mph slower than the plane, find the speed of the plane.	#9 Points possible: 10. Total attempts: 1	WAMAP Assessment https://www.wamap.org/assessment/printtest.php
6 of 7 4/18/14, 1:44 PM	It will take them <u>hour(s)</u> minute(s) to build 7 sheds together. If needed, round answer to 1 decimal places. 61 15	e: 10. Total attempts: 1 k records, a carpenter i job in 21 hours. How l	Jogging back he went mph 6 3	On the bike, Derek went mph	#13 Points possible: 10. Total attempts: 1 Derek went on a bike ride. After 6 miles he got a flat tire and had to jog back home. He jogs 3 mph slower than he bikes, so the jog took 1 hour longer than the bike ride. At what rate did he travel each way?	vt = 32 (v-6)(t+2) = 32	$\Box (v - 6)(t - 2) = 32$	(v + 6)(t + 2) = 32	$\Box (v + 6)(t - 2) = 32$	$\Box vr = 32$	$\Box vr = (2)(32)$	Elizabeth drives to the beach, which is 32 miles away. One the way back, due to road construction she had to drive 6 mph slower, thus the return trip took 2 hours longer. Which of the following equations would be used to find the rate at which Elizabeth drove to the beach? Pick two.	#12 Points possible: 10. Total attempts: 1	WAMAP Assessment https://www.wamap.org/assessment/printtest.php

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	Tony can do the job in hours 9 18	Christy can do the job in hours	#15 Points possible: 10. Total attempts: 1 Christy can do a job in 9 hours less than Tony can. If they work together they can get the job done in 6 hours. How long would it take each to do the job alone?	WAMAP Assessment
4/18/14, 1:44 PM			together they can get the job done	https://www.wamap.org/assessment/printtest.php