Homework 1.4 Dimensional Analysis

CONVERSIONS 1 kilometer = 1000 meters 1 meter = 100 centimeters 1 centimeter = 10 millimeters 1 mile = 1760 yards	1 mile = 5280 feet 1 yard = 3 feet 1 foot = 12 inches 1 liter = 1000 millin	1 gallon = 4 1 quart = 2 j 1 pint = 2 cu neters 1 cup = 8 ou	pints 16 ips	con = 2000 lbs 5 pounds = 16 oz.
1 year = 365 days 1 year = 12 months 1 year = 52 weeks 1 week = 7 days 1 hour = 60 minutes 1 minute = 60 seconds				
Convert units using dimensional anal	ysis.			
1. 10560 feet into miles				
2. 8800 yards into miles				
3. 2 miles into yards				
4. 60 inches into feet				
5. 5 gallons into quarts				
6. 9 centimeters into millimeters				

 $This \ was \ created \ by \ Keenan \ Xavier \ Lee-2015. \ See \ my \ website \ for \ more \ information, lee-apcalculus. weebly.com$

. 0.245 kilometers into meters
2000 centimeters into meters
. 60 miles per hour into feet per hour
0. 130 meters per second into meters per hour
1. 1100 feet per second into miles per hour
2. 53 yards per hour into inches per week

1.4 Answers	
1 2 miles 2 5 miles 3 3520 yards 4 5 feet 5 20 quarts 6 90 millimeters 7 245 meters 8 20 m	eters
9 316,800 feet/hour 10 468,000 meters/hour 11 750 miles/hour 12 320,544 inches/week	