	Available Problems/Subject Areas	Installation
Improving teaching and learning:		Instructions are found at:
Online homework systems are developed with the intention of improving teaching and learning.	• Open Problem Library WeBWorK comes with a Open Problem Library	http://webwork.maa.org/wiki/Category:Installation _Manuals#.U-i4UrshSBs
This is accomplished as follows:	(OPL) of over 30,000 homework problems.	A straightforward approach would be:
a) Providing immediate feedback to the student.	Problems in the OPL target most lower division undergraduate math courses and some	"nstalling_from_WW2.9_Ubuntu14.04_Vanilla_Li veDVD"
 b) With adult learners, in particular, the manpower does not exist to look at every piece of work a student does; online homework systems give a student another motivation to do the amount of work that is required to learn the material. c) Automatic grading frees up time that instructors can use elsewhere. 	 advanced courses. Acquired Elsewhere Very recently Portland Community College has made available 1400 new problems suitable for junior/senior high school. With a little effort these can be made available to instructors. These will ultimately become part of the OPL 	 a) buy a computer (64-bit) WeBWorK runs on a LINUX operating system. Operating-system installation (LINUX, Microsoft Windows, OS(apple), etc) is typically designed to replace everything on the computer. (Other options exist but they require you to know more.)
The part-time salaries for workers in the Health Science Centre are \$30, \$22, \$25, \$32.	These can be previewed at: http://www.teabun.ca/webwork2/NewMathProble	b) Download ".iso" and
Find the location of the 48 th percentile. $L_{48} = 2.4$	ms_BasicMath/ http://www.teabun.ca/webwork2/NewMathProble	create installation disk.
Find the 48 th percentile. \$ 25	ms_BasicAlgebra/	c) Insert disk into newly-acquired computer,
	Log in a "guest"	reboot, and follow instructions.
Instant Feedback makes homework more effective.		The server can be accessed through the browser:
×= 99°	• Instructor Written / Customized The edit tool (pencil) exposes the underlying problem code for modification.	WeBWorK × +
y = 13 2 = 10 2 = 10 2 = 10 4 = 16 4 = 16 4 = 16 4 = 16 4 = 16	Add Show path Use the properties of exponents to simplify the followin Edit it $ \frac{-28x^{11}y^7z^{13}}{14x^9y^6z^5} = \frac{1}{14x^9y^6z^5} $ Add Show path .	WeBWorK WeBWork MAIN MENU Courses
Individualized versions ensure student involvement.	AddShow pain .Image: Content of the content of	WeBWorK
Often students become involved with their friend's example, thus reinforcing the concept.	Add Show path . Simplify the following alhost/webwork2/se	Welcome to WeBWorK! Course Administration