Grade Eleven

Grade Eleven Sample Test Item—Concepts & Procedures
Achievement Level: Standard Nearly Met

The bill for a mechanic to work on a car is *d* dollars per hour of work plus the cost of materials, *c*.

Enter an equation for the total amount of the bill, *t*, for *h* hours of work.

1	2	3	*c*	*d*	*h*	*t*
4	5	6	+	-	*	÷
7	8	9	<	≤	=	≥	>
0	.	-						( )				√☐	☐√☐	π	*i*
			sin	cos	tan	arcsin	arccos	arctan

Area	Concepts & Procedures
	Applying mathematical concepts and procedures
Standard(s)	Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.
Answer	$t = dh + c$

[Scoring note: Accepts equivalent equations as correct] |