" *"Life is full of surprises, but never when you need one."* CALVIN

In class work **18** has questions **1** through **1** with a total of **0** points. Turn in your work at the end of class *on paper*. This assignment is due *Tuesday 31 October 13:20.*

1. As handy as the factorial might be, sometimes we need the product of the odd integers; that is, we need a product of the form $1 \times 3 \times 5 \times \cdots \times (2n - 1)$. We'll define

$$n!! = \prod_{k=1}^{n} (2k - 1), \tag{1}$$

where $\prod$ means to find the product of the numbers.