Exercise 5.13. [1ZS] *Prove*[a] *that in a ring:*

1. $0 \cdot x = 0$
2. $(-x)y = -(xy) = x(-y)$.
3. $(-x)(-y) = xy$.
4. $(-1)x = -x$.

Solution 1. [299]

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[a] [?] Prop. 1.16