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Part I: Rico and Stassi
Rico and Stassi are comparing the functions that tell them their scores on their favorite online game. Rico's score, after playing for $t$ days is determined to be $R(t)=32 t$, while Stassi's score after $t$ days is determined to be $S(t)=76+20 t$.

1. Rico says his score after 3 days plus his score after 7 days, $R(3)+R(7)$, is the same as his score after 10 days. Is this true?
2. Is the same thing true for Stassi? That is, is $S(3)+S(7)=S(10)$ ?
3. Is it always true that $F(3)+F(7)=F(3+7)$ for each function $F$ ?
4. Rico also says that if you double his score after 4 days, $2 * R(4)$, that is the same as his score after 8 days, $R(8)$. Is this true?
5. Is the same thing true for Stassi? Check, is $2 * S(4)=S(8)$ ?
6. Is it always true that $2 * F(4)=F(2 * 4)$ for each function $F$ ?
