Homage to Augustus de Morgan

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$$\neg\left(A \wedge B\right) = \neg A \vee \neg B$$

$$\neg\left(A \vee B\right) = \neg A \wedge \neg B$$

....

$$\neg\left(\bigwedge_{i=1}^{n} A_i\right) = \bigvee_{i=1}^{n} \neg A_i$$

$$\neg\left(\bigvee_{i=1}^{n} A_i\right) = \bigwedge_{i=1}^{n} \neg A_i$$

....

$$\forall x\left(\neg Ax\right) = \neg\exists x(Ax)$$

$$\exists x\left(\neg Ax\right) = \neg\forall x\left(\neg Ax\right)$$