Common Quantificational Forms

ENGLISH	FOL
All *F*'s are *G*'s. Every *F* is a *G*. Each *F* is a *G*. Anything that is an *F* is a *G*. If anything is an *F*, it's a *G*. Whatever is an *F* is (also) a *G*. Nothing is an *F* unless it's (also) a *G*. Only *G*'s are *F*'s. Something is an *F* only if it's a *G*. If something is an *F*, it is a *G*. An *F* is a *G*. [Some sentences only] *F*'s are all *G*'s. A thing is a *G* if it's an *F*.	$\forall x(F(x) \rightarrow G(x))$
Some *F*'s are *G*'s. Something is both *F* and *G*. There are *GF*'s. *GF*'s exist. An *F* is a *G*. [Some sentences only]	$\exists x(F(x) \wedge G(x))$
No *F's* are *G*'s. Nothing which is an *F* is a *G*. Nothing is both *F* and *G*. No *F* is a *G*. Not even one *F* is a *G*.	$\forall x(F(x) \rightarrow \neg G(x))$ $\neg\exists x(F(x) \wedge G(x))$ [these are equivalent]
Some *F*'s are not *G*'s. Some things that are *F* are not *G*. There are *F*'s that aren't *G*. *F*'s exist that are not *G*.	$\exists x(F(x) \wedge \neg G(x))$
All and only *F*'s are *G*'s. Each thing is an *F* if, and only if, it's *G*. A thing is *F* if, and only if, it's *G*. Something is *F* just in case it's *G*.	$\forall x(F(x) \leftrightarrow G(x))$
All things except *F*'s are *G*'s. All things except *G*'s are *F*'s. A thing is an *F* just in case it's not a *G*.	$\forall x(F(x) \leftrightarrow \neg G(x))$