Module 2: Intrinsic Value and Time Value

CALL

Intrinsic value: is the amount by which the underlying <u>asset price</u> exceeds the <u>strike price</u>.

(S-K) or max (S-K, 0)

Example:

June CME stocks are trading at \$82.5 and the June CME call option is trading at \$3.5 with the strike price of \$80. What is the intrinsic value?

<u>Time value:</u> represents the amount option traders are willing to pay over intrinsic value, given the amount of time left to expiration. OR the amount that the traders are willing to pay for the <u>potential increase in value</u> that the option could gain before expiration.

Option Premium – Intrinsic Value = Time Value

Time Value + Intrinsic Value = Premium

PUT

Intrinsic value:	is the amou	int hy whic	h the under	lving asset	nrice is	helow t	the strike i	nrice
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$$(K-S)$$
 or $max(K-S,0)$

Example:

What are the intrinsic value and time value of a CME put with the strike price of \$95, if the underlying asset is trading at \$94.98 and the option premium is \$0.03

Intrinsic value:

Option Premium – Intrinsic Value = Time Value

Time Value + Intrinsic Value = Premium