Math 1313
Test 3 Formula Sheet

$I = Prt$

$F = P(1 + rt)$

$F = P(1 + i)^n$

$P = F(1 + i)^{-n}$

$$F = E\left[\frac{(1+i)^n - 1}{i}\right]$$

$$P = E\left[\frac{1-(1+i)^{-n}}{i}\right]$$

$$E = \frac{Fi}{(1+i)^n - 1}$$

$$E = \frac{Pi}{1-(1+i)^{-n}}$$

$$i = \frac{r}{m}$$

$n = mt$

$n(A \cup B) = n(A) + n(B)$, if $A \cap B = \varnothing$

$P(E \cup F) = P(E) + P(F)$, if $E \cap F = \varnothing$

$n(A \cup B) = n(A) + n(B) - n(A \cap B)$, if $A \cap B \neq \varnothing$

$P(E \cup F) = P(E) + P(F) - P(E \cap F)$, if $E \cap F \neq \varnothing$

$(A \cup B)^c = A^c \cap B^c$

$(A \cap B)^c = A^c \cup B^c$