Formula Sheet for Exam #1

1. Standard Error of Measurement for Group or School Test Scores:

\[ \text{SEM} = \text{SD} \sqrt{1 - r} \]

2. Smith’s SEM for Individual Student Test Scores:

\[ \text{SEM} = \sqrt{\frac{pq}{k}} \]

\( p = \) proportion correct
\( q = \) proportion incorrect
\( k = \) number of items