(SDi)

## 1

## Chapter PI 11

## **APPENDIX A**

## **Regression Formula for Calculating Significant Discrepancy Scores**

SD of IO/Cognitive Test =

Information needed for Calculation	Inforn	nation	needed	for	Calcul	lation
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IO/Ability Score

		6 - 18		_( '
Achievement Score	=	SD of Achievement Test =		(SDa)
		Correlation between tests =	<u>0.</u>	_(r)*
Formula:				
Expected Achievemen	t = (SDa/SDi)r(IQ-100)	+100 =		
Discrepancy = Expecte		=		
SD Discrepancy = SD	=			
Cut-off:				
Discrepancy / SD Disc	crepancy =			
If number is greater th	an 1.75, there is a signif	icant discrepancy between achiev	ement a	nd ability scores

\* If correlation between tests is unknown, use .62

When the test publisher provides tables for significant differences between ability and achievement scores (such as with the Weschler Intelligence Scale for Children- 3 and the Weschler Individual Achievement Test), these tables may be used in lieu of this formula. Cut-offs should be derived using a 1.75 Standard Error of Estimate (SEe) criterion so that the difference between expected and obtained scores in the bottom 4% of the distribution meet the standard for a significant discrepancy (i.e. 1.75 SEe units below the expected score).