

Name:

Lesson in Stats – Example of Curving Grades – Raw Score to Final Grade

What is an Avg ?

What is the SD ?

	Raw Scores	Final Grade	Change
	34	59	25
	45	67	22
	47	69	22
	55	74	19
	56	75	19
	66	82	16
	70	85	15
	78	91	13
Average	56	75	
SD	14	10	

This is the curve

Fitting raw scores to a curve

Curve if avg is below 70

If SD is less than 10, use 10

Grading Scale

90-77 (A)

76-63 (B)

62-49 (C)

48-35 (D)

34-21 (F)

$$? = 90 + (RS-77)/1.4$$

$$? = 80 + (RS-63)/1.4$$

$$? = 70 + (RS-49)/1.4$$

$$? = 60 + (RS-35)/1.4$$

Can all As, Bs or Cs be made with such a grading approach ? **YES**