Name:

Name.	
5-a-day ACT prep #8	 What is the area of the trapezoid shown below?
Solve each problem, show your work, and then choose the correct answer.	
Do not linger over problems that take too much time. Solve as many as you can; then return to the others in the time you have left for this test.	5
You are permitted to use a calculator on this test. You may use your calculator for any problems you choose, but some of the problems may best be done without using a calculator.	A. 32.5
Note: Unless otherwise stated, all of the following should be assumed.	B. 35 C. 37.5 D. 40
 Illustrative figures are NOT necessarily drawn to scale. Geometric figures lie in a plane. The word <i>line</i> indicates a straight line. The word <i>average</i> indicates arithmetic mean. 	E. Cannot be determined.
2. What is the slope of a line containing the points (-2, 10) and (4, -5)? A. $-\frac{5}{2}$ B. $-\frac{5}{6}$ C. $-\frac{2}{5}$ D. $\frac{5}{6}$ E. $\frac{15}{2}$	 3. The ratio of boys to girls in Mr. Chidester's class is 7:5. If there are 10 girls in the class, what is the total number of students in the class? A. 14 B. 24 C. 31 D. 35 E. None of these
 4. What is the solution to the inequality - 2(x - 4) >- 4? A. x < 2 B. x > 2 C. x < 6 D. x > 6 E. All real numbers. 	5. Mack slept for $1\frac{1}{2}$ hours on Saturday and $2\frac{2}{3}$ hours on Sunday. How much longer did he sleep on Sunday than Saturday? A. 55 minutes B. 60 minutes C. 65 minutes
	D. 70 minutes E. 75 minutes