SOLVING EQUATIONS WITH VARIABLES ON BOTH SIDES – Day 1

Solve each equation, checking your solution on your calculator.

1. 4n + 5 = 6n + 7	2. $7x - 4 = 0.5x - x + 35$
3. 71 – 5x = 9x – 13	4. 8y – (5y + 2) = 16
5. $5m - 2(m - 5) = 17$	6. $-8(4 + 9x) = 7(-2 - 11x)$

7 - 6 - 2 + 5(y - 2)	9 - 2(y - 2) + 5 - 2(y - 1)
7. $0 = 3 + 3(y - 2)$	2(x-3)+3=3(x-1)
9. Rapid Rental Car Company charges a \$55 ren	tal fee and \$0.25 per mile driven. For the same car,
Capital Cars charges \$45 for rental fee and \$0.35 per mile. Write an equation and find the number of	
miles for which the companies' charges will be the	same
	ouno.
Equation:	
10. Roger is 5 feet tall and casts a shadow 3.5 fee	t long. At the same time a flagpole outside his
school cast a shadow 14 feet long. How tall is the	flag pole?
	- 51
Equation:	
11 Min bought a droop for the homesoming dans	a The total east of the dress was \$121.21 which
11. Mia bought a dress for the nomecoming danc	e. The total cost of the dress was \$121.24 which
included an 8.25% tax. What was the price of the	dress?
Fauation.	
Equation	
7 07	
Answers Bank: $2 \frac{1}{2}$ 100 6 26 $\frac{20}{2}$ 36 112 6 -1 20	
3 5	