

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Determine the following sums and differences. Show your work.

a.  $41 \text{ min} + 19 \text{ min} = \underline{\hspace{1cm}} \text{ hr}$

b.  $2 \text{ hr } 21 \text{ min} + 39 \text{ min} = \underline{\hspace{1cm}} \text{ hr}$

c.  $1 \text{ hr} - 33 \text{ min} = \underline{\hspace{1cm}} \text{ min}$

d.  $3 \text{ hr} - 33 \text{ min} = \underline{\hspace{1cm}} \text{ hr } \underline{\hspace{1cm}} \text{ min}$

e.  $31 \text{ sec} + 29 \text{ sec} = \underline{\hspace{1cm}} \text{ min}$

f.  $5 \text{ min} - 15 \text{ sec} = \underline{\hspace{1cm}} \text{ min } \underline{\hspace{1cm}} \text{ sec}$

2. Find the following sums and differences. Show your work.

a.  $5 \text{ hr } 30 \text{ min} + 35 \text{ min} = \underline{\hspace{1cm}} \text{ hr } \underline{\hspace{1cm}} \text{ min}$

b.  $3 \text{ hr } 15 \text{ min} + 5 \text{ hr } 55 \text{ min} = \underline{\hspace{1cm}} \text{ hr } \underline{\hspace{1cm}} \text{ min}$

c.  $4 \text{ hr } 4 \text{ min} - 38 \text{ min} = \underline{\hspace{1cm}} \text{ hr } \underline{\hspace{1cm}} \text{ min}$

d.  $7 \text{ hr } 3 \text{ min} - 4 \text{ hr } 25 \text{ min} = \underline{\hspace{1cm}} \text{ hr } \underline{\hspace{1cm}} \text{ min}$

e.  $3 \text{ min } 20 \text{ sec} + 49 \text{ sec} = \underline{\hspace{1cm}} \text{ min } \underline{\hspace{1cm}} \text{ sec}$

f.  $22 \text{ min } 37 \text{ sec} - 5 \text{ min } 58 \text{ sec} = \underline{\hspace{1cm}} \text{ min } \underline{\hspace{1cm}} \text{ sec}$

3. It took 5 minutes 34 seconds for Melissa's oven to preheat to 350 degrees. That was 27 seconds slower than it took Ryan's oven to preheat to the same temperature. How long did it take Ryan's oven to preheat?
4. Joanna read three books. Her goal was to finish all three books in a total of 7 hours. She completed them, respectively, in 2 hours, 37 minutes; 3 hours, 9 minutes; and 1 hour, 51 minutes.
- Did Joanna meet her goal? Write a statement to explain why or why not.
  - Joanna completed the two shortest books in one evening. How long did she spend reading that evening? How long, with her goal in mind, did that leave her to read the third book?