

1.) The table below shows different temperatures at various times during a particular day in March.

Notes: a.) When typing times after noon, use military time (1:00 pm = 13, 3:30 pm = 15.5, etc.)

b.) Do NOT ROUND when stating the regression equation (put it in the correct format)

Do ROUND to the NEAREST TENTH place when stating answers for the questions.

| Time           | 7:00 am | 8:45 am | 9:30 am | 12:00 pm | 2:15 pm |
|----------------|---------|---------|---------|----------|---------|
| Temperature °F | 30°     | 38°     | 45°     | 57°      | 63°     |

a.) Write the linear regression equation: \_\_\_\_\_

b.) Write the correlation coefficient: \_\_\_\_\_

c.) Using regression equation, what is the temperature at 1:45 pm? \_\_\_\_\_

d.) Using regression equation, what time would it be if the temperature is 41.7°? \_\_\_\_\_