

Section/Lesson Title: SOLVING WORD PROBLEMS - SLOPE AS RATE

Materials: WS

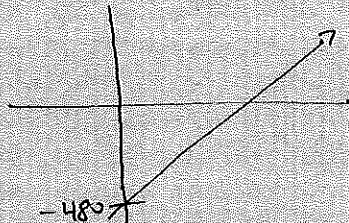
HW# 2.3 WS

Reflections:

I INTERPRETING LINEAR EQUATIONS

CARMEN'S COFFEE SHOP IS GROWING IN PROFITS EVERY MONTH,
 SHOWN BY EQ: $P = 180t - 480$, $P =$ MONTHLY PROFIT
 $t =$ # OF MONTHS

a) SKETCH A GRAPH OF THE EQUATION



b) INTERPRET SLOPE IN CONTEXT: FOR EACH ADDITIONAL MONTH SHE IS OPEN, CARMEN INCREASES HER MONTHLY PROFITS BY \$180 ON AVERAGE

c) WHAT WILL HER MONTHLY PROFIT BE AT THE END OF HER 1ST YEAR?

$$P = 180(12) - 480$$

$$= \$1680$$

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