Please complete the "check your understanding" at the bottom of page 171. Do this even if you have already done it.
You need to get the data into your calculator.

$$
\left.\begin{array}{l}
\hat{y}=16.3+0.0907 x \\
\hat{y}=a+b x \\
x: \bar{x}, s_{x} \quad y: \bar{y}, s_{y} \\
\hat{y}=a+b x: \quad b=r \cdot s_{y} \\
s_{x}
\end{array}\right] \begin{aligned}
& \text { cuRL passes } \\
& \begin{array}{l}
\hat{y}=a+b x-b \bar{x} \\
\text { through }(\bar{x}, \bar{y})
\end{array}
\end{aligned}
$$

$$
\bar{y}=a+b \bar{x}
$$

Solve for $a$ :

$$
a=\bar{y}-b \bar{x}
$$

slope: $D=r \cdot \frac{S_{y}}{S_{x}}$
Hike data.
$\left.\begin{array}{l}r=0.7946 \\ a=16.26907 \\ b=0.0907\end{array}\right\}$ from calculator
Cheek that we get same values when we use formulas.

$$
\begin{aligned}
& b=r \cdot \frac{S y}{S x} \\
& b=0.7946 \cdot \frac{3.4615}{30.296}
\end{aligned}
$$

Check $a=\bar{y}-b \bar{x}$
Blank paper

$$
\text { p. } 192 \neq 48
$$

HW-Figme out how to use your cal culator to pegtom regression.
43, 45, 47,53
Reading Guide

