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Practice
EXAMPLE 1
Determine the slope of the line that passes through $C\left(-5,-{ }^{\sim}, 3\right)$ and $D(\overline{2}, 1)$

$$
\text { Step } 1 \text { - Draw a graph }
$$



$$
\begin{aligned}
& \text { Slope }= \frac{\Delta y}{\Delta x} \\
& \frac{y_{2}-y_{1}}{x_{2}-x_{1}} \\
& \frac{-3-1}{-5-2}=\frac{-4}{-7} \\
& m=\frac{4}{7}
\end{aligned}
$$

## Connect

NOTES:
How to find the slope using 2 points on a line

> Slope of a Line
> A line passes through $\mathrm{A}\left(x_{1}, y_{1}\right)$ and $\mathrm{B}\left(x_{2}, y_{2}\right)$.
> Slope of line $\mathrm{AB}=\frac{y_{2}-y_{1}}{x_{2}-x_{1}}$


Determine the slope of the line that passes through $E(4,-5)$ and $F(8,6)$



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ii) The time it took Tom to earn $\$ 30$ ?

$$
\frac{30}{312}=2.5 \text { hoors }
$$



## Textbook Questions:

Page 340 \# 9, 13
Page 341 \# 18
Page 342 \# 26

