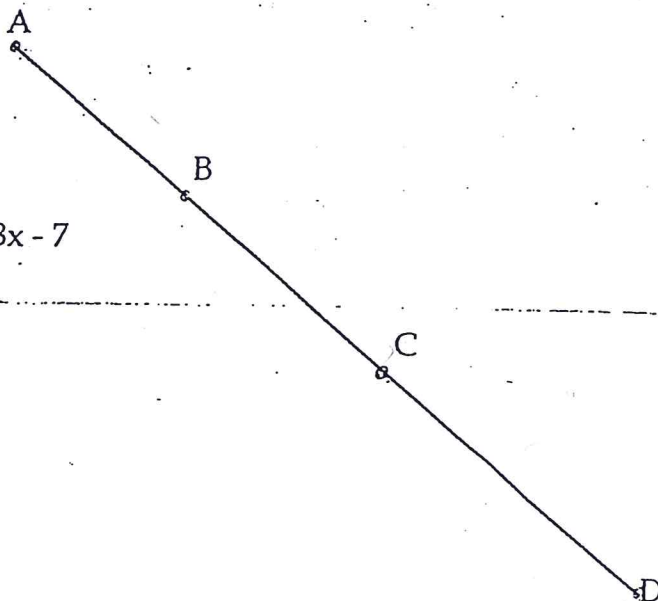


Geometry Worksheet
Chapter 2.1-2 - Algebra Application

1. $AB = x$, $BC = 3x$, $CD = 2x + 8$ and $AD = 22$
Find CD .

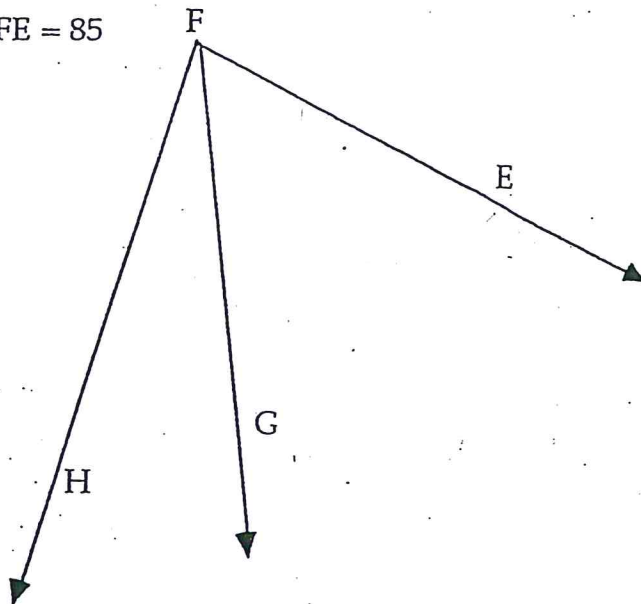
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2. $AB = 3$, $BC = 2x + 3$, $CD = 3x + 5$ and $AD = 8x - 7$
Find AD .



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3. $m\angle HFG = 2x - 7$, $m\angle GFE = 3x + 2$, and $m\angle HFE = 85$
Find $m\angle GFE$.



56°

4. $m\angle HFG = 2x$, $m\angle GFE = 4x + 13$,
and $m\angle HFE = 8x - 7$
Find $m\angle HFE$.

73°