

QUIZ 5

MARKS ... 9.5...

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Q. Create a 3D model from the given orthographic views. Also Create Front view, Top view and Side view using Standard (mm).idw. Time: 20 Minutes

Starting from Point A(0,0)

$$\begin{aligned} X = -20 & ; 0 \leq Y \leq 5 \quad (-20, 0), (-20, 5) \\ 3X+Y+55=0 & ; 5 \leq X \leq 20 \quad (20, -5), (15, 10) \\ X-Y+45=0 & ; 20 \leq X \leq 30 \quad (-20, 25), (-30, 15) \\ X-Y+45=0 & ; 30 \leq X \leq 35 \quad (-35, 10) \\ 2X-Y+55=0 & ; 35 \leq X \leq 40 \quad (-35, 18) \end{aligned}$$

Starting from Point B(0,0)

$$\begin{aligned} 3X-Y=60 & ; 20 \leq X \leq 25 \quad (20, 15) \\ 3X+2Y=105 & ; 15 \leq X \leq 25 \quad (15, 30) \\ 4X+3Y=150 & ; 30 \leq Y \leq 40 \\ (0,0), (-20,0), (-20,5) & \\ (-25,20), (-15,30) & \\ (-10,35), (-5,40) & \\ (-7.5, 40) & \end{aligned}$$

