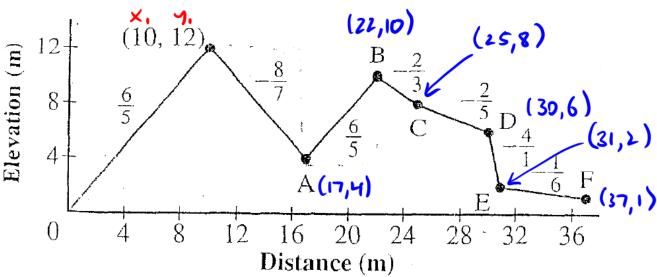
Performance Task - Slope using fractions

Here is a side view of a water coaster. The slope of each segment is given. Determine the coordinates of each point A to F.



Point A -using slope Formula

Point B

$$N = \frac{y_2 - y_1}{x_2 - x_1}$$

$$-8 = \frac{y_2 - y_1}{x_2 - x_1}$$

$$-8 = \frac{y_2 - y_2}{x_2 - y_2}$$

$$-8 + |z| = \frac{y_2}{x_2}$$

$$-8$$

Point C
M=-2
3 -2= 72-71 -2= 72-10
-2+10 = 9z
3= X2- X1
$3 = \times 2 - 22$ $3 + 22 = \times 2$
1 C - Y

$$3 = \times 2 - 22$$

 $3 + 22 = \times 2$
 $25 = \times 2$
 $(25, 8)$

$$M = \frac{8-10}{25-22} = \frac{-2}{3}$$

Point D

$$M = -\frac{2}{5}$$

$$-2 = \frac{1}{2} - \frac{1}{8}$$

$$-2 + \frac{1}{8} = \frac{1}{2}$$

$$5 = \frac{1}{2} - \frac{1}{2}$$

$$5 = \frac{1}{2} - \frac{1}{2}$$

$$5+15=X_2$$

 $30=X_2$
 $(30, 6)$

$$M = \frac{6-8}{30.25} = \frac{-2}{5}$$

Point E

$$M = -\frac{4}{1}$$

$$-4 = 72 - 71$$

$$-4 = 72 - 6$$

$$-4 + 6 = 72$$

$$2 = 72$$

$$1 = x_2 - x_1$$

1= X2-30

$$31 = X_2$$

$$(31, 2)$$

$$M = \frac{2-6}{31-30} = -\frac{4}{1}$$

$$M = -\frac{1}{6}$$

$$-1 = y_{2} - y_{1}$$

$$-1 = y_{2} - 2$$

$$-1 + 2 = y_{2}$$

$$1 = y_{2}$$

$$6 = x_{2} - x_{1}$$

$$6 = x_{2} - 31$$

$$M = \frac{1-2}{37-9} = -\frac{1}{6}$$