



**Nombre de alumno: Bladimir Trujillo
Méndez**

**Nombre del profe/fa: ING Abel Estrada
Dichi**

**Nombre Materia: Resistencia De
materiales de construccion**

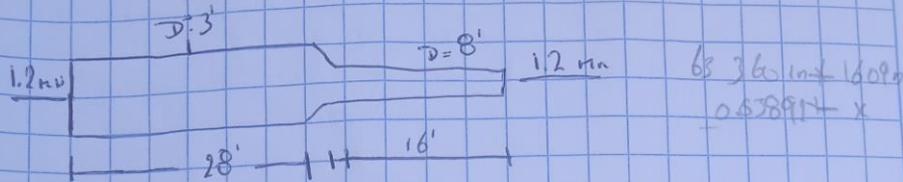
Tema de la actividad: Deformacion

Grado: 4°

Grupo: Arquitectura

$$67.360 \text{ in} - 1609 \text{ in}$$

$$0.1663 \text{ in} \times$$



$$E = 10 \text{ GPa}$$

AB

$$A = \pi r^2$$

$$A = \pi \times 0.07892^2$$

$$A = 0.002379 \text{ m}^2$$

BC

$$A = \pi r^2$$

$$A = \pi \times 0.022855^2$$

$$A = 0.000821 \text{ m}^2$$

$$P = \frac{12,000,000}{0.000821}$$

$$P = \frac{12,000,000}{0.002379}$$

$$T = 14,616,321.56$$

$$P = 504,413,619.2$$

$$E = \frac{14,616,321.56}{40,000,000,000}$$

$$E = \frac{504,413,619.2}{10,000,000,000}$$

$$E = 0.036541$$

$$E = 0.012610$$

$$D = (0.036541) < (0.406715)$$

$$D < (0.012610) < (0.711048)$$

$$D = 0.014847$$

$$D = 0.008967$$

$$D = 148.47$$

$$D = 89.66$$

$$D_T = d_1 + d_2$$

$$D_T = 89.66 + 148.47$$

$$D_T = 238.13$$