

(1) b)
$$P(1,0,1)$$
 $Q(1,2,0)$ $Q($

$$200 \, \text{mm} = 0.2 \, \text{m}$$

 $30 \, \text{mm} = 0.03 \, \text{m}$

$$ton \ x = \frac{0.03}{0.2} = \frac{3}{20}$$

$$\arctan \frac{3}{20} = x$$

$$\Theta = 18^{\circ} + 90^{\circ} + 8.5^{\circ} = 116.5^{\circ}$$
 $d = \sqrt{(0.2)^{2} + 10.03^{2}}$
 $= 0.20$
 $= (200 \text{ N}) \cdot (0.20 \text{ m}) \cdot (\sin 116.5^{\circ})$
 $= 35.79 \text{ Nm}$