$$T_{x_1} = T_1 \cdot \cos 60$$
$$T_{y_1} = T_1 \cdot \sin 60$$

$$T_{x_2} = T_2 \cdot \cos 30$$
$$T_{y_2} = T_2 \cdot \sin 30$$

Vertical Forces:
$$T_{y_1} + T_{y_2} = W$$
$$T_1 \cdot \sin 60 + T_2 \cdot \sin 30 = 150 \, N$$

Horizontal Forces:
$$T_{x_1} = T_{x_2}$$
$$T_1 \cdot \cos 60 = T_2 \cdot \cos 30$$
$$T_1 = T_2 \cdot \frac{\cos 30}{\cos 60}$$

Substituting:
$$\left(T_2 \cdot \frac{\cos 30}{\cos 60} \right) \cdot \sin 60 + T_2 \cdot \sin 30 = 150 \, N$$
$$1.5 \cdot T_2 + .5 \cdot T_2 = 150 \, N$$
$$\boxed{T_2 = 75 \, N}$$

$$T_1 = T_2 \cdot \frac{\cos 30}{\cos 60} = (75 \, N) \cdot \frac{\cos 30}{\cos 60}$$

$$\boxed{T_1 = 130 \, N}$$