

Exercici 1.

$$F \cdot d = F' \cdot d'$$

$$100 \cdot 5 = F' \cdot 6$$

$$500 = 6 \cdot F'$$

$$F' = \frac{500}{6}$$

$$F' = 83,3 \text{ N}$$

Exercici 2.

$$M = F \cdot d$$

$$M = 200 \cdot 10$$

$$M = 2000 \text{ Nm}$$

Exercici 3.

$$F \cdot d = F' \cdot d'$$

$$90 \cdot d = 40 \cdot 4$$

$$90 \cdot d = 160$$

$$d = \frac{160}{90}$$

$$d = 1,7 \text{ m}$$