2/96 Equivalent force - couple system at point O:

$$\underline{R} = \Sigma \underline{F} = (-25 + 20 \sin 30^\circ)\,\underline{i} + (-30 - 20 \cos 30^\circ)\,\underline{j} = \underline{-15\,\underline{i} - 47.3\,\underline{j}\ \text{kN}}$$

$$\circlearrowleft + M_O = 25(5) - 30(9) - (20 \cos 30^\circ)9 - (20 \sin 30^\circ)5 = -351\ \text{kN}\cdot\text{m}$$

For final location of $\underline{R}$:

$$\underline{r} \times \underline{R} = \underline{M}_O, \quad (x\,\underline{i} + y\,\underline{j}) \times (-15\,\underline{i} - 47.3\,\underline{j}) = -351\,\underline{k}$$

$$-47.3x + 15y = -351$$

Axis intersections: $\underline{x = 7.42\ \text{m},\ y = -23.4\ \text{m}}$