

Ellipse Construction- Revision

The figure shows a design for a toy loading-shovel.

The curve ABCD is portion of an ellipse with major axis AD. Point B is a point on the curve.

The curve UV, with vertex at U is an $\frac{3}{4}$ ellipse

The line BT is a tangent to the ellipse at B.

The curve KMN is $\frac{3}{2}$ an ellipse

Draw the given design showing clearly all constructions and points of contact.

