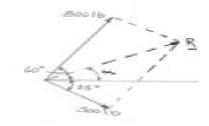


PROBLEM 2.2

Two forces are applied as shown to a bracket support. Determine graphically the magnitude and direction of their resultant using (a) the parallelogram law, (b) the triangle rule.

SOLUTION

(a) Parallelogram law:



(b) Triangle rate:



We measure:

$$R = 906 \text{ lb}, \alpha = 26.6^{\circ}$$

$$R = 906 \text{ lb} \angle 26.6^{\circ}$$

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Christian Drosten

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