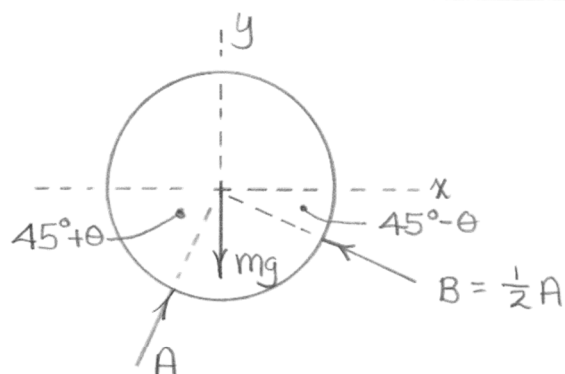
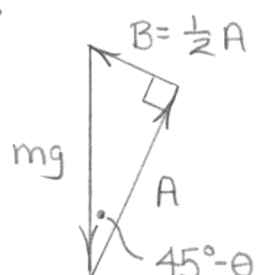


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$\Sigma F = 0 :$



$$\tan (45^\circ - \theta) = \frac{A/2}{A} = \frac{1}{2}$$

$$45^\circ - \theta = 26.6^\circ$$

$$\theta = 18.43^\circ$$

WILEY