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| bee87302_p02028.tif | **Problem 2.22**  Cable *AC* exerts on beam *AB* a force **P** directed along line *AC*. Knowing that **P** must have a 350-lb vertical component, determine (*a*) the magnitude of the force **P**, (*b*) its horizontal component. |

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| **Solution**  bee29230_s02-030  (*a*)  ****  (*b*)  **** |