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|  | Problem 2.5  A steel tank is to be positioned in an excavation. Knowing that **20, determine by trigonometry (*a*) the required magnitude of the force **P** if the resultant **R** of the two forces applied at *A* is to be vertical, (*b*) the corresponding magnitude of **R**. |

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| Solution  bee29230_s02-011  Using the triangle rule and the law of sines:      ◄  (*b*)  ◄ |