|  |  |
| --- | --- |
| bee87302_p02003-04.tif | **Problem 2.4**  Two structural members *B* and *C* are bolted to bracket *A*. Knowing that both members are in tension and that *P* = 6 kips and *Q* = 4 kips, determine graphically the magnitude and direction of the resultant force exerted on the bracket using (*a*) the parallelogram law, (*b*) the triangle rule. |

|  |
| --- |
| **Solution**  (*a*) Parallelogram law:  bee02286_s02004a  (*b*) Triangle rule:  bee02286_s02004b  We measure:   **angle 5**   |