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| ch02-13.jpg | **Problem 2.13**  The cable stays *AB* and *AD* help support pole *AC*. Knowing that the tension is 120 lb in *AB* and 40 lb in *AD*, determine graphically the magnitude and direction of the resultant of the forces exerted by the stays at *A* using (*a*) the parallelogram law, (*b*) the triangle rule. |

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| **Solution**  C:\Documents and Settings\Meenu kanta\Desktop\CH02\Solution\bee29230_s02-016a.tif  C:\Documents and Settings\Meenu kanta\Desktop\CH02\Solution\bee29230_s02-016b.tif    Using the triangle rule:  Using the law of cosines:  Using the law of sines:  angle 10  **** |