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F_1 = 40. N at 33^0

F_2 = 50. N at $160.^0$

2) Draw a "point diagram"

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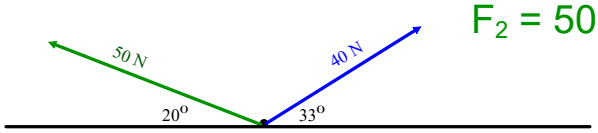

point diagram

1) Data

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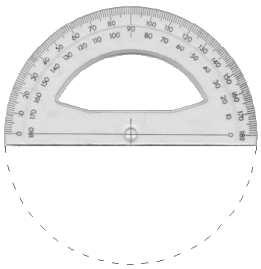
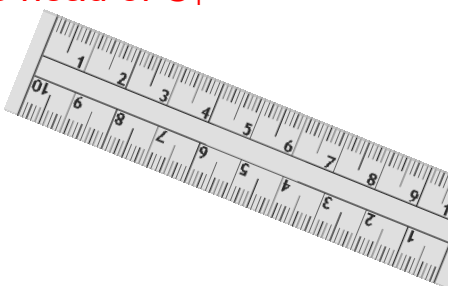
3) Draw an "x" at the head of C_1





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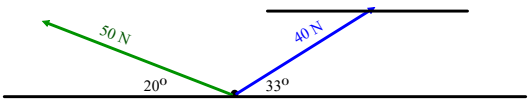

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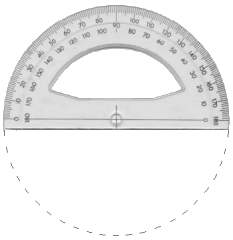
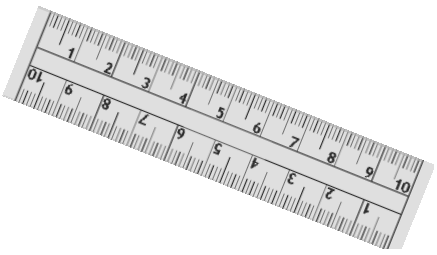
4) Measure the angle of C_2 from the "x" axis and duplicate C_2 from the head of C_1





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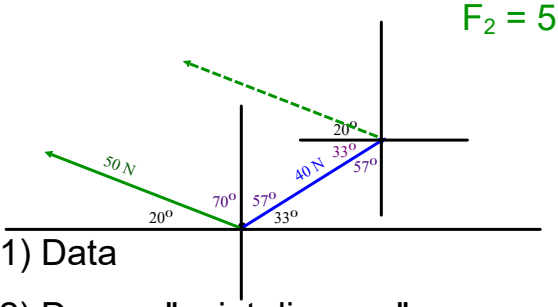

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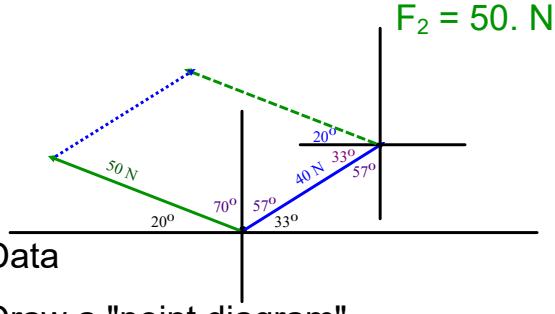

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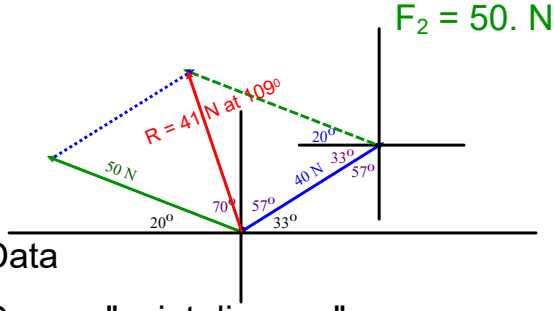

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