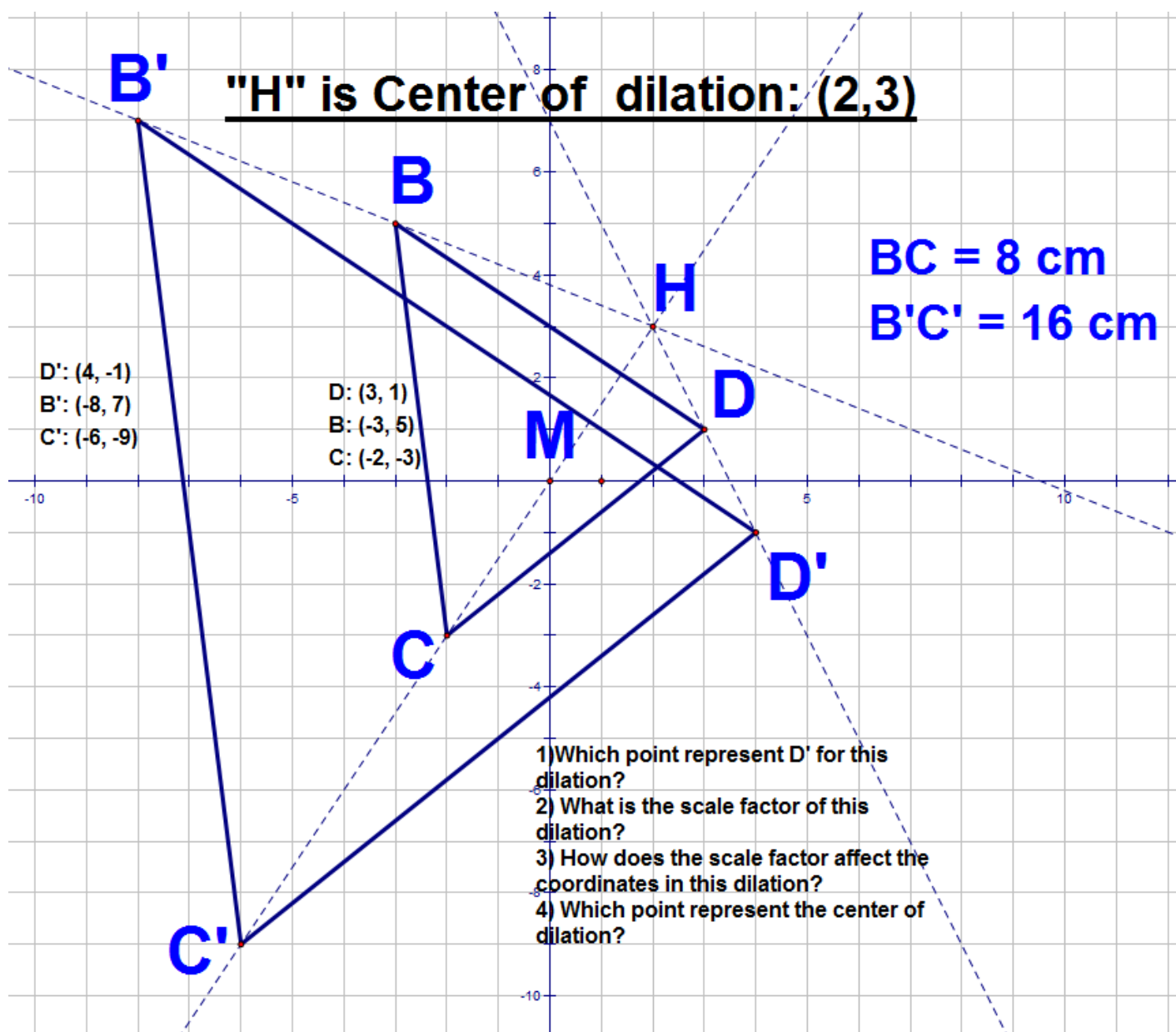
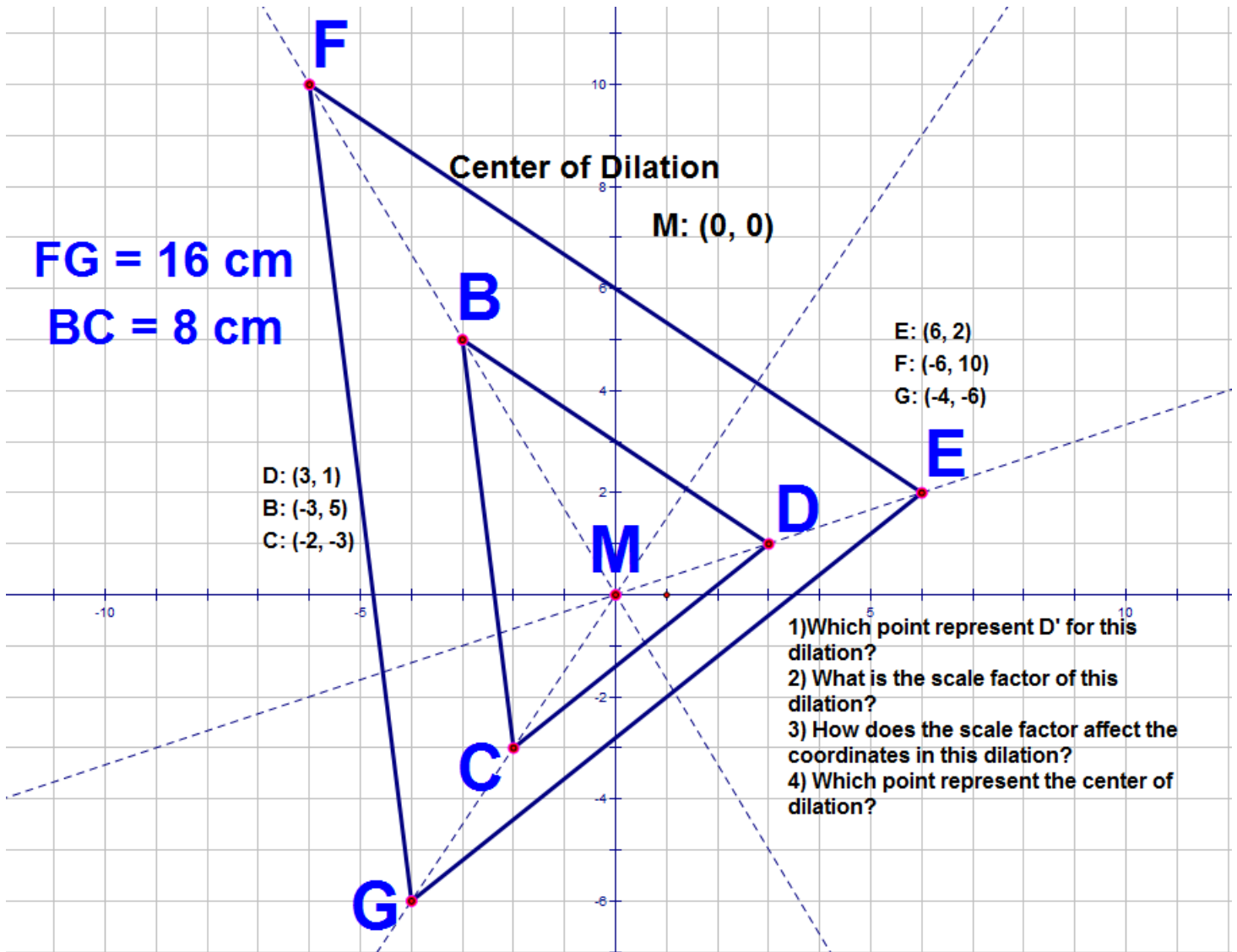


Dilation with Dilation center as non-origin



Dilation with Dilation center as origin



Scale factor: SF

Pre-Image Point: (x_p, y_p)

Center of dilation: (x_c, y_c)

Image Point: (x_{im}, y_{im})

Dilation Rule: Image coordinates = (Pre-image)(Scale factor) – (center of dilation)

Dilation Rule: $x_{im} = (x_p)(SF) - x_c$ and $y_{im} = (y_p)(SF) - y_c$