/\* Geogebra to Asymptote conversion, documentation at artofproblemsolving.com/Wiki, go to User:Azjps/geogebra \*/ import graph; size(13.1cm); real labelscalefactor = 0.5; /\* changes label-to-point distance \*/ pen dps = linewidth(0.7) + fontsize(10); defaultpen(dps); /\* default pen style \*/ pen dotstyle = black; /\* point style \*/ real xmin = -2.9, xmax = 10.2, ymin = -1.5, ymax = 8.7; /\* image dimensions \*/

Label laxis; laxis.p = fontsize(10); xaxis(xmin, xmax, Ticks(laxis, Step = 1., Size = 2, NoZero),EndArrow(6), above = true); yaxis(ymin, ymax, Ticks(laxis, Step = 1., Size = 2, NoZero),EndArrow(6), above = true); /\* draws axes; NoZero hides '0' label \*/ /\* draw figures \*/ real f1 (real x) return 3.0\*x+2.0; draw(graph(f1,-2.89,10.19)); real f2 (real x) return 4.0\*x; draw(graph(f2,-2.89,10.19)); label("(2,8)",(2.4,8.16),SE\*labelscalefactor); /\* dots and labels \*/ label("f", (-0.98,-1.4), NE \* labelscalefactor); label("g", (-0.18,-1.4), NE \* labelscalefactor); dot((2.,8.),dotstyle); label("A", (2.08,8.12), NE \* labelscalefactor); clip((xmin,ymin)-(xmin,ymax)-(xmax,ymax)-(xmax,ymin)-cycle); /\* end of picture \*/