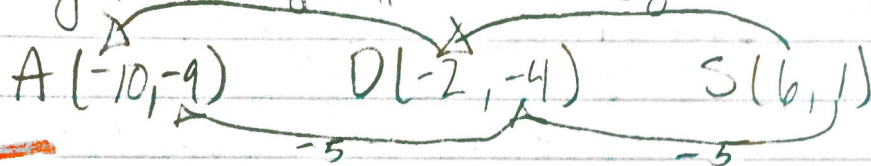


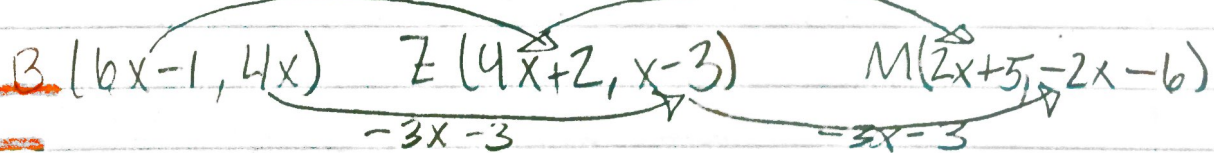
* Dividing a segment into a ratio
 segment AQ has points (8, -2) and (-4, 10).
 Find point S so that AS:QS = $\boxed{1:3}$ 4 parts
 * split slope into 4 parts

finding missing endpoint

AS has mdpt D with D(-2, -4) and S(6, 1). Find A
 (graph paper)



BM has mdpt Z with B(6x-1, 4x) and Z(4x+2, x-3). Find M



\cong vs $=$

\cong : congruent - same size and same shape

$=$: equal - same measurement, same #

Things are \cong (L's, A's, rect., etc.)

#'s are $=$ (measurements, #'s, degrees, etc.)

$\triangle ABC \cong \triangle DEF$

$m\angle ABC = m\angle DEF$