##
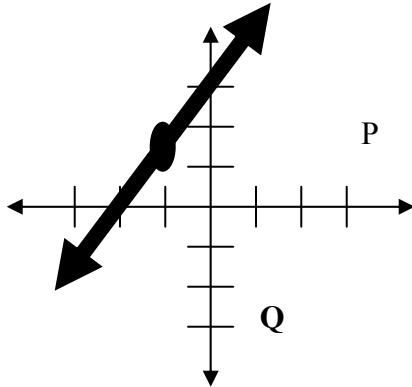
Determine the <u>Solution Set</u> to a <u>Linear Function</u> by The Intercept Method!
Given: –3P + 2Q = 6   Determine Solution Set

P	Q
0	+3
–2	0
–1	+11/2

Determine Intercepts: If P = 0 then Q = +3   &   If Q = 0 then P = –2
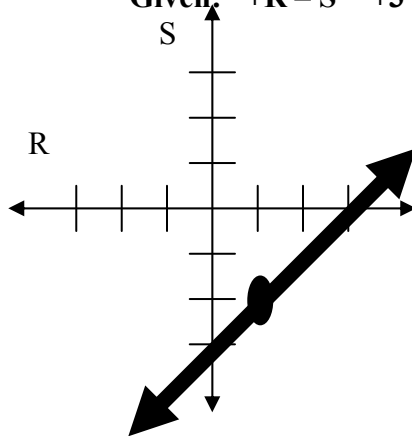
Graph Solution Set from Intercepts
Check <u>Solution Set</u> with <u>Arbitary</u> <u>Point</u>: P = +1 then Q = ?
Substitue P = +1 into Linear Function and Solve for Q = + 11/2

Given: –3P + 2Q = 6   –3(–1) + 2Q = 6 + 2Q = 3 Is Q=+11/2 part of Solution Set?

##

Determine the <u>Solution Set</u> to a <u>Linear Function</u> by The Intercept Method!
Given: +R – S = +3   Determine Solution Set!

R	S
0	–3
+3	0
+1	–2

Determine Intercepts: If R = 0 then S = –3   & If S = 0 then P = +3

Graph Solution Set from Intercepts
Check <u>Solution Set</u> with <u>Arbitary Point</u>: R = +1 then S = ?
Substitue R = +1 into Linear Function and Solve for S = –2

Given: +R – S = +3   (+1) – S = +3 – S = 3   Is S = –2   part of Solution Set?

##
Tom Love   Malone College   Fall 2007