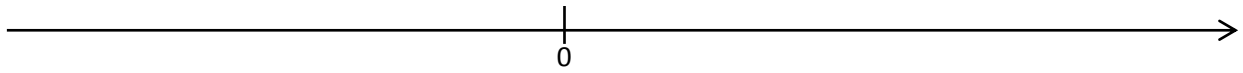
مستوى : 4 متوسط

المتراجحات من الدرجة الأولى بمجهول واحد

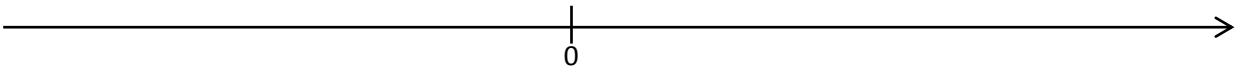
التمرين الأول :

لون الجزء المناسب من المستقيم المدرّج :

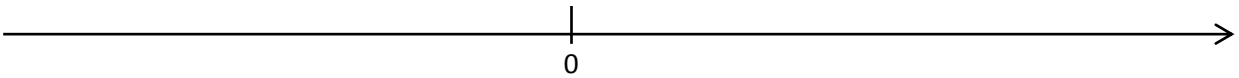
$x > 3$



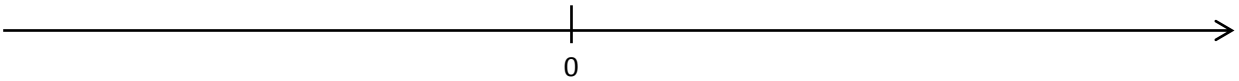
$x \geq -4$



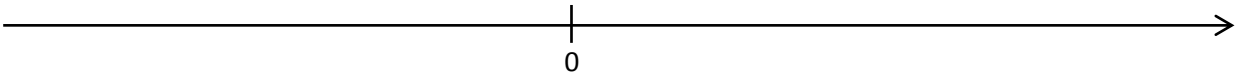
$x < 2{,}5$



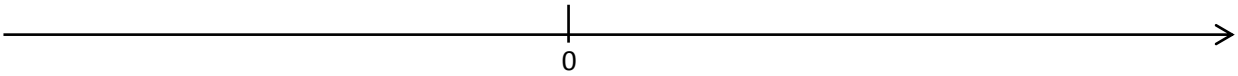
$x \geq -\frac{5}{2}$



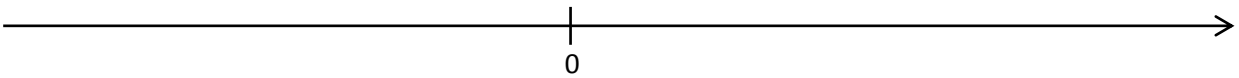
$x \geq -\frac{7}{2}$



$x \leq -6$



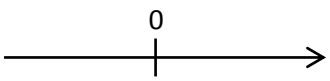
$x < -\frac{16}{5}$



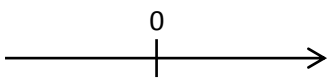
التمرين الثاني:

حل المتراجحات التالية و مثل بيانيا حلولها :

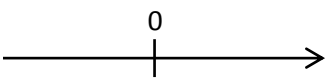
a. $2(3x - 1) > 4x - 6$



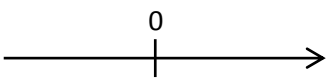
b. $4x + 10 \leq 2(3x + 1)$



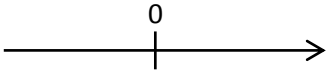
c. $25x \leq 900 + 30x$



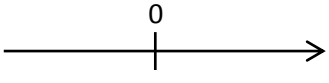
d. $9.5 - 3x > 4{,}5 + 2x$



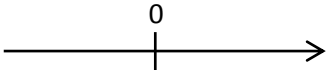
e. $-1 - 2x \leq \frac{x}{2} + 2$



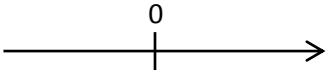
f. $\frac{x}{2} - 3 > \frac{3x - 2}{4} - 1$



g. $3x \geq 24 - \frac{x}{2}$



h. $\frac{3x - 2}{4} > 2$

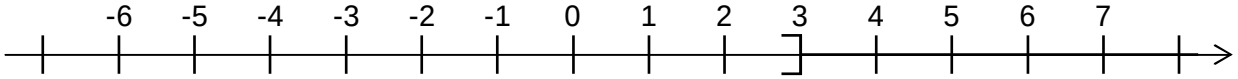


المتراجحات من الدرجة الأولى بمجهول واحد

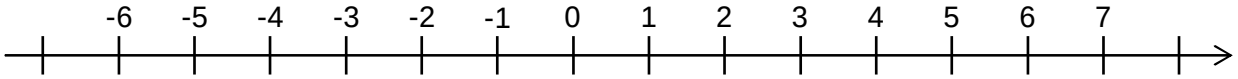
التمرين الأول :

لون الجزء المناسب من المستقيم المدرّج :

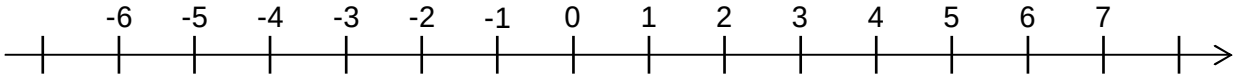
$x > 3$



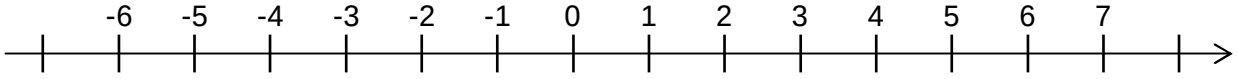
$x \geq -4$



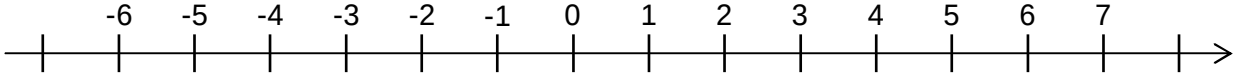
$x < 2{,}5$



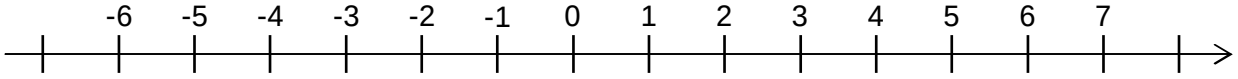
$x \geq -\frac{5}{2}$



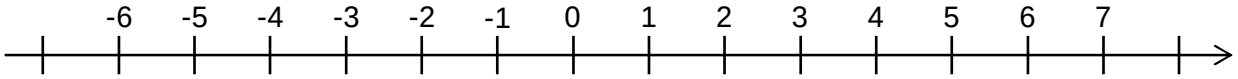
$x \leq -6$



$x \geq -\frac{7}{2}$

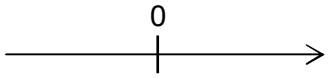
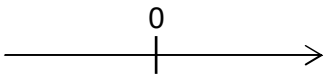
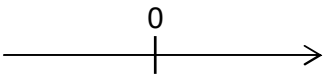
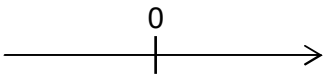
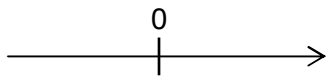
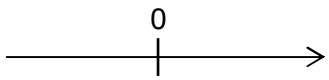
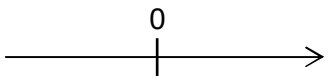
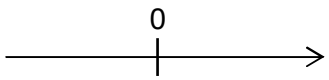


$x < -\frac{16}{5}$



التمرين الثاني:

حل المتراجحات التالية و مثل بيانيا حلولها :

a. $2(3x-1) > 4x-6$	**b.** $4x+10 \leq 2(3x+1)$	**c.** $25x \leq 900 + 30x$	**d.** $9.5 - 3x > 4{,}5+2x$
			
e. $-1-2x \leq \frac{x}{2}+2$	**f.** $\frac{x}{2}-3 > \frac{3x-2}{4}-1$	**g.** $3x \geq 24-\frac{x}{2}$	**h.** $\frac{3x-2}{4} > 2$
			

سلسلة تمارين حول حل المعادلات من الدرجة الأولى بمجهول واحد

1- حل المعادلات الأتية

a. $2x - 3 = 0$ = =	**b.** $7x + 5 = 0$ = =	**c.** $5 + 4x = 0$ = =
d. $7x - 8 = 0$ = =	**e.** $-3x + 5 = 0$ = =	**f.** $-2x - 9 = 0$ = =
g. $-1 - 5x = 0$ = =	**h.** $6x = 0$ = =	**i.** $-12x = 0$ = =

2- حل المعادلات الأتية

a. $(2x + 5)(3x + 1) = 0$
b. $6x(-x + 4) = 0$
c. $(9 - 4x)(3 + 1) = 0$
d. $5x(-6 + x)(7x + 2) = 0$
e. $(4 - 3x)(x - 7)(6 + 5x) = 0$

3- حل المعدلات الأتية

a. $(x + 5)(x - 3) = 0$	**b.** $(4x - 1)(6x + 5) = 0$
c. $(-8x + 5)(-2 - 3x) = 0$	**d.** $(3x + 4)(2 - 5x) = 0$
e. $(5 + 3x)(7 - x) = 0$	**f.** $3x(7 + 8x) = 0$
g. $-8x(-3 - 6x) = 0$	**h.** $(4x - 2)(2 - x) = 0$