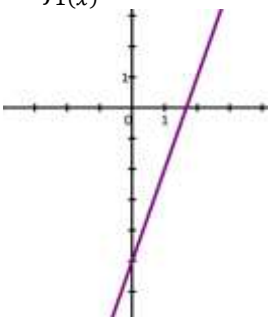
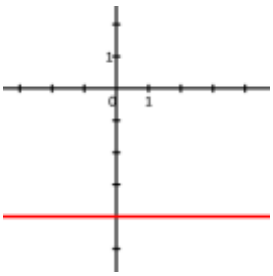
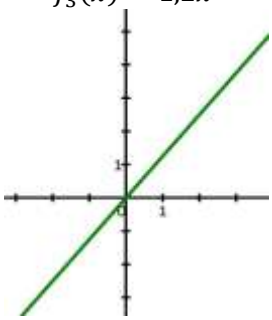
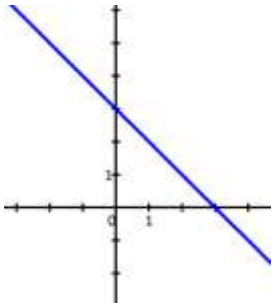
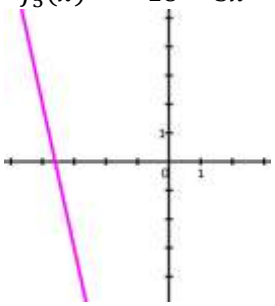
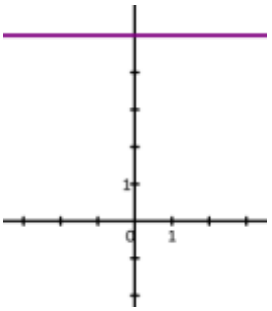
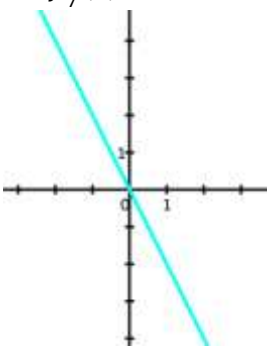
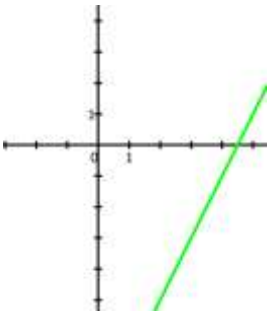
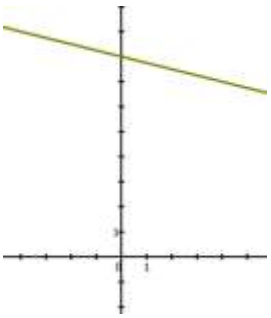
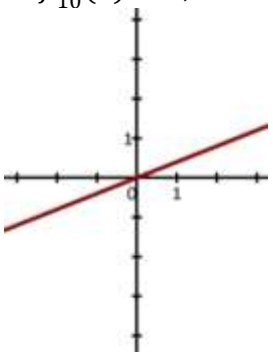
Activité Affines - Partie 1

Observer les fonctions suivantes et leur courbe représentative

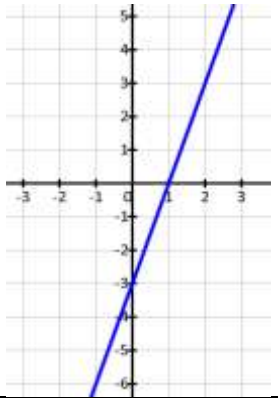
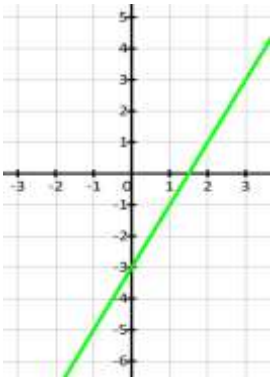
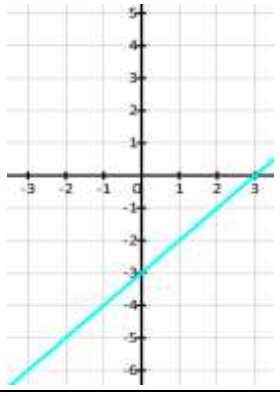
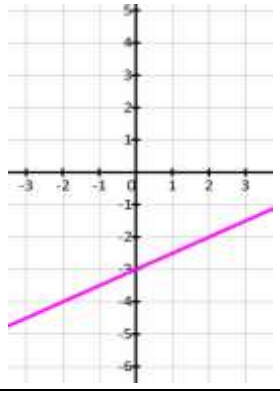
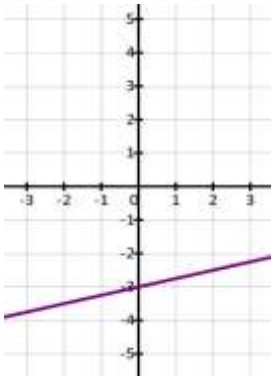
$f_{1(x)} = 3x - 5$	$f_2(x) = -4$	$f_3(x) = 1{,}2x$	$f_4(x) = -x + 3$	$f_5(x) = -18 - 5x$
				

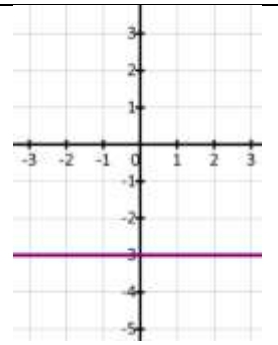
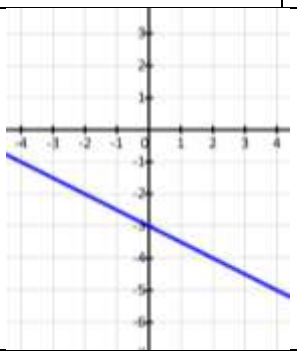
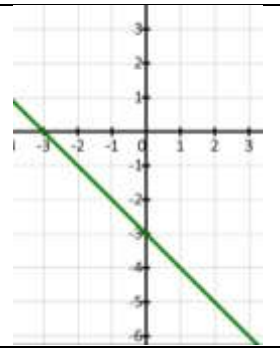
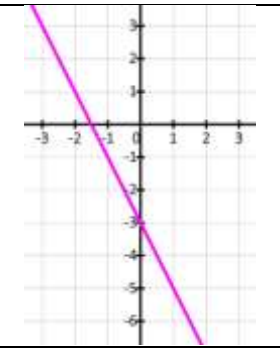
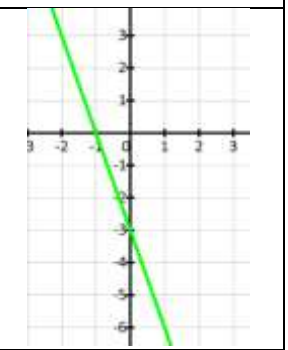
$f_6(x) = 5$	$f_7(x) = -2x$	$f_8(x) = 2x - 9$	$f_9(x) = -0{,}25x + 8$	$f_{10}(x) = 0{,}4x$
				

Quelles sont les groupes de fonctions que l'on peut faire ?

Partie 2

Observer les fonctions suivantes et leur courbe représentative

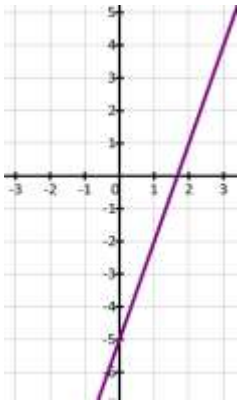
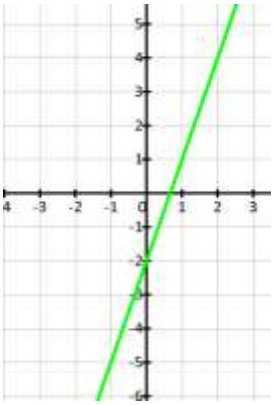
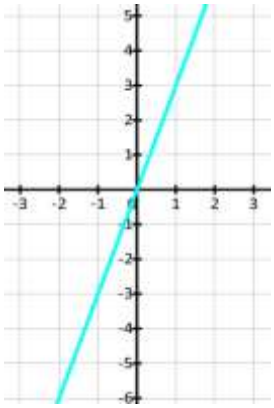
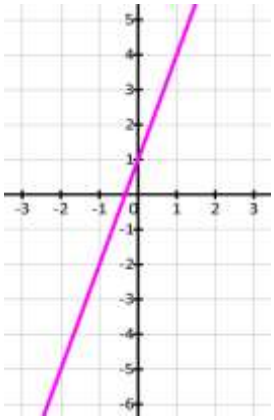
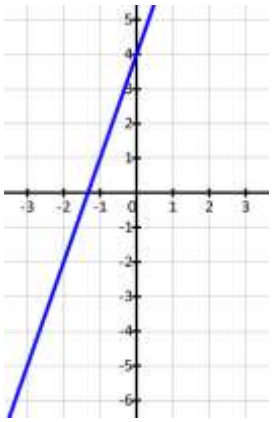
$g_1(x) = 3x - 3$	$g_2(x) = 2x - 3$	$g_3(x) = x - 3$	$g_4(x) = 0{,}5x - 3$	$g_5(x) = 0{,}25x - 3$
				

$g_6(x) = -3$	$g_7(x) = -0{,}5x - 3$	$g_8(x) = -x - 3$	$g_9(x) = -2x - 3$	$g_{10}(x) = -3x - 3$
				

En regardant les formules et les courbes : qu'est-ce qui change et comment ? qu'est-ce qui reste égal ?

Partie 3

Observer les fonctions suivantes et leur courbe représentative

$f_{1(x)} = 3x - 5$	$f_2(x) = 3x - 2$	$f_3(x) = 3x$	$f_4(x) = 3x + 1$	$f_5(x) = 3x + 4$
				

En regardant les formules et les courbes : qu'est-ce qui change et comment ? qu'est-ce qui reste égal ?