5. $f(x) = 2x+1$

a) $f(-4)$

$f(-4) = 2(-4)+1$

$= -8+1$

$f(-4) = -7$

b) $f(0) = 2(0)+1$

$= 0+1$

$= 1$

6. $f(x) = x^2+3x-4$

a) $f(4) = (4)^2+3(4)-4$

$= 16+12-4$

$= 24$

b) $f(-2) = (-2)^2+3(-2)-4$

$= 4-6-4$

$= -6$

7) $g(x) = -5x + 3$

a) $g(-2) + g(4)$

$g(-2) = -5(-2) + 3$
$= 10 + 3$
$= 13$

$g(4) = -5(4) + 3$
$= -20 + 3$
$= -17$

$g(-2) + g(4)$
$13 + (-17) = -4$

* 8. $f(x) = -3x + 8$
Find x if $f(x) = -25$

$-25 = -3x + 8$

$-25 - 8 = -3x$

$\frac{-33}{-3} = \frac{-3x}{-3}$

$11 = x$