$\qquad$
$\qquad$ Period: $\qquad$

1. Which of the equations below represent the line passing through the points $(2,3) \&(4,-7)$ ? Select ALL that apply.
A) $5 x+y=13$
B) $y+7=-5(x-4)$
C) $y=-5 x+13$
D) $y-7=5(x-4)$
2. Line $\ell$ contains the points $(0,4) \&(2,0)$. Show that the point $(-25,81)$ does or doesn't lie on the line $\ell$.

Write an equation of the line to satisfy the given conditions. The final equation should be written in slopeintercept form.
3. The slope $=-4$; the $x$-intercept $=7$
5. The slope is $-3 \&$ the contains the point $(-2,1)$
7. The linear function has $f(-2)=7 \& f(3)=-3$
9. The line is parallel to $y=2 x-7$ and passes through the point $(2,-5)$.
4. The $x$-intercept $=3$; the $y$-intercept $=-5$
6. The line contains the points $(-3,5)$ and $(0,1)$
8. The line contains the points $(-4,-3)$ and $(2,6)$
10. The line is perpendicular to $y=5 x-3$ and passes through the point $(2,1)$.

