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

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 4. The *x*-intercept = 3; the *y*-intercept = -5
- 5. The slope is -3 & the contains the point (-2, 1) 6. The line contains the points (-3, 5) and (0, 1)

7. The linear function has f(-2) = 7 & f(3) = -3 8. The line contains the points (-4, -3) and (2, 6)

9. The line is parallel to y = 2x - 7 and passes 10. The line is perpendicular to y = 5x - 3 and through the point (2, -5).

passes through the point (2, 1).