[analytic geometry]

1. Find the equation of each of the following lines. Answer in standard form.
   a. Through $(-5, 1)$ with a slope of $-\frac{1}{5}$
   b. Through $(-5, 7)$ with a slope of 3
   c. Through $(3, 4)$ and $(-1, 2)$
   d. Through $(3, 1)$ with a slope of 0
   e. Vertical line through $(5, 2)$
   f. Parallel to $y = 5x + 7$ and with a y-intercept of $(0, -3)$
   g. A slope of $\frac{1}{4}$ and a y-intercept of -2
   h. Through $(4, 3)$ and perpendicular to a line through $(0, -5)$ and $(1, -3)$
   i. Through $(5, 2)$ and with the same x-intercept as $x + 2y - 4 = 0$
   j. Line through $(5, 2)$ and with an x-intercept of $(-1, 0)$
   k. Line through the origin and the point $(4, 1)$
   l. Parallel to y-axis through $(8, -1)$
   m. Through $(2, -3)$ parallel to $y = 4$
   n. x-axis
   o. through the y-intercept of $3x + y - 7 = 0$ and perpendicular to $5x - 8y - 16 = 0$
   p. having x-intercept of 3 and a y-intercept of 7
   q. Parallel to $3x - 4y = 7$ and having the same x-intercept as $3x - y = 6$