MCQ

1) Identify the equation of the line that is perpendicular to the line $2x + y + 8 = 0$ and passes through the point $(6, -3)$.

   a) $2x - 2y = 0$ b) $-x - y = 6$ c) $2x - y = 6$ d) $x - 2y = 12$

2) Which of the following line has the x-intercept and the y-intercept 5 and 7 respectively?

   a) $7x + 5y = 35$ d) $5x + 7y = 52$

3) Identify the equa   = 2 and passes through the poin

   a) $2x - 6y = 10$ d) $x - 2y = 16$

4) Which of the foll   the slope 3?

   a) $4x - y = 28$ d) $4x - 3y = 18$

5) Which of the foll   ) and $(-4, -1)$?

   a) $5x - y = -19$ d) $5x + y = 18$

6) Which of the foll   : $(9, -7)$ and has the slope $-\dfrac{1}{6}$?

   a) $6x - 3y = 0$ b) $x - 3y = 30$ c) $6x + y = 33$ d) $x + 6y = -33$

7) The line l has the slope -7 and is perpendicular to the line m which passes through the point $(3, -9)$. Which of the following equation represents the line m?

   a) $7x + y = 6$ b) $x - 7y = 66$ c) $x - 7y = 6$ d) $7x + y = 0$