

MCQ

Sheet 2

- 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 equation of the line that is perpendicular to the line $2x + y + 8 = 0$ and passes through the point $(6, -3)$.
- a) $2x - 6y = 10$ d) $x - 2y = 16$
- 4) Which of the following line has the x-intercept and the y-intercept 5 and 7 respectively?
- a) $4x - y = 28$ d) $4x - 3y = 18$
- 5) Which of the following line has the x-intercept and the y-intercept 5 and 7 respectively?
- a) $5x - y = -19$ d) $5x + y = 18$
- 6) Which of the following line has the x-intercept and the y-intercept 5 and 7 respectively?
- 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) $7x + y = 0$

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