

# 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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## Answer key

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