

MCQ

Sheet 4

- 1) Which of the following line cuts the y-axis at $y = -7$ and slope is 3?
- a) $3x - y = 7$ b) $x + 3y = -7$ c) $3x - y = -7$ d) $x - 3y = 7$
- 2) The slope of a line p is 5 and is perpendicular to the line q . Identify the equation of the line q that passes through the point $(-7, 3)$.
- a) $x + 5y = -8$ d) $5x - y = -8$
- 3) Identify the equation of the line with x-intercept as 7 and 4.
- a) $4x + 7y = 28$ d) $-4x + 7y = 28$
- 4) Which of the following lines passes through the point $(4, -2)$ and $(5, -2)$?
- a) $-x - y = 3$ d) $x - y = -3$
- 5) Identify the equation of the line with x-intercept as 6 and passes through the point $(3, 7)$.
- a) $2x + y = 4$ d) $2x + y = 5$
- 6) The slope of a line n is 5 and it passes through the point $(3, 7)$. Which of the following represents the equation of the line n ?
- a) $5x + y = -8$ b) $5x - y = 8$ c) $5x + y = 8$ d) $5x - y = -8$
- 7) Which of the following line passes through the point $(-6, 3)$ has the slope 9?
- a) $9x - y = -57$ b) $-9x - y = 57$ c) $x + 9y = 57$ d) $x + 9y = -57$

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Answer key

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- 2) The slope of a line p is 5 and is perpendicular to the line q . Identify the equation of the line q that passes through the point $(-7, 3)$.
- a) $x + 5y = -8$ d) $5x - y = -8$
- 3) Identify the equation of the line with x-intercept as 7 and 4.
- a) $4x + 7y = 28$ d) $-4x + 7y = 28$
- 4) Which of the following lines passes through the point $(4, -2)$ and has a y-intercept of 4?
- a) $-x - y = 3$ d) $x - y = -3$
- 5) Identify the equation of the line with a y-intercept of 6 and passes through the point $(-2, 5)$.
- a) $2x + y = 4$ d) $2x + y = 5$
- 6) The slope of a line n is $\frac{1}{5}$ and it passes through the point $(3, 7)$. Which of the following represents the equation of the line n ?
- a) $5x + y = -8$ b) $5x - y = 8$ c) $5x + y = 8$ d) $5x - y = -8$
- 7) Which of the following line passes through the point $(-6, 3)$ has the slope 9?
- a) $9x - y = -57$ b) $-9x - y = 57$ c) $x + 9y = 57$ d) $x + 9y = -57$

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