

MCQ

Sheet 3

1) Which of the following line passes through the point $(4, -7)$ and has the slope $\frac{1}{9}$?

- a) $x - 9y = 67$ b) $9x + y = 72$ c) $x + 9y = 72$ d) $9x - y = 67$

2) Identify the equation of the line that passes through the points $(9, -1)$ and $(-7, 5)$.

- a) $8x - 3y = 20$ d) $8x - 3y = 19$

3) Which of the following lines has

slope 6?

- a) $8x - y = 2$ d) $6x - y = -4$

4) The line l has the equation $2x - 3y = 12$. Which of the following lines is parallel to l and passes through the point $(4, 9)$?

Which of the following lines is parallel to l and passes through the point $(4, 9)$?

- a) $6x - y = 27$ d) $x - 6y = 27$

5) Identify the equation of the line that passes through the point $(-2, 4)$ and has the y-intercept 2.

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- a) $4x + y = 8$ d) $4x + y = 16$

6) Identify the equation of the line that is perpendicular to the line $10x - y = 8$ and passes through the point $(-5, 5)$.

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- a) $10x - 4y = 55$ b) $x + 10y = -5$ c) $x + 10y = 45$ d) $x - 4y = 5$

7) Which of the following equations represents the line parallel to $-3x - y = 2$ and passes through the point $(-6, -4)$?

- a) $3x + y = -14$ b) $6x - y = 3$ c) $x - y = 6$ d) $3x + y = -22$

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