

## 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

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slope 6?

- a)  $8x - y = 2$

- d)  $6x - y = -4$

4) The line  $l$  has the equation  $2x + 3y = 12$ . Which of the following

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lines passes through the point

- a)  $6x - y = 27$

- d)  $x - 6y = 27$

5) Identify the equation of the line that passes through the point  $(-2, 4)$  and 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 parallel to  $10x - y = 8$  and passes through the point  $(-5, 5)$ .

$10x - y = 8$  and

- 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)  $3x + y = -22$

## Answer key

## 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  $(4, 9)$ ?

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

5) Identify the equation of the line that is perpendicular to the line  $2x - 3y = 12$  and has the y-intercept 2.

- 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  $(-5, 5)$ .

- 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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