

## MCQ

Sheet 5

1) Identify the equation of a line having the x-intercept and the y-intercept as 6 and  $-3$  respectively.

- a)  $x + 2y = 6$       b)  $x + 2y = -6$       c)  $x - 2y = 6$       d)  $x - 2y = -6$

2) Which of the following line cuts the y-axis at  $y = 2$  and slope is 5?

- a)  $5x + y = -2$       d)  $5x - y = 2$

3) Identify the equation of a line that has a y-intercept of  $-10$  and passes through the point  $(4, 0)$ .

a)  $4x + y - 10 = 0$

- a)  $4x - y = 11$

d)  $x - 4y = 11$

4) The slope of a line is  $-\frac{1}{2}$  and the line  $m$  that passes through the point  $(-6, 16)$ .

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Identify the equation of the line  $m$ .

- a)  $6x + y = 16$

d)  $x - 6y = -16$

5) Which of the following is the equation of a line that has a y-intercept of  $8$  and is the slope  $\frac{1}{2}$ ?

a)  $x + 2y = 16$

- a)  $x + 2y = -16$

d)  $x + 2y = 16$

6) Which of the following is the equation of a line that passes through the point  $(-2, 2)$  and  $(-8, 6)$ ?

a)  $x + y = -2$       b)  $x - y = 2$       c)  $x + y = -4$       d)  $x - y = 4$

7) The slope of a line  $s$  is 3 and is parallel to the line  $t$  which passes through the point  $(7, 6)$ . Which of the following represents the equation of the line  $t$ ?

- a)  $x + 3y = 15$       b)  $3x - y = 15$       c)  $3x + y = 15$       d)  $x - 3y = -15$