Name: _____

CC Geometry Homework

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1)	What is the y-intercept of equation is $3y = 6x + 12$? A) 1 B) 2	the line whose C) 3 D) 4	4)	Wh line A)	at is the equation of a whose equation is $3y = 2y = 3x + 3$	line p = 2x C)	parallel to the + 3? $y = \frac{2}{3}x + 3$
				B)	3y = -2x + 1	D)	$y=\frac{3}{2}x-3$
2)	 Which statement describe A) It has a slope of 4. B) It is parallel to the y-a C) It passes through the D) It is parallel to the x-a 	es the graph of x = 4? axis. point (0,4). axis.	5)	Wh to t A) B)	at is the slope of a line he line whose equation $-\frac{3}{7}$ $\frac{7}{5}$	that is 7. C) D)	is perpendicular x - 3y = 10? $-\frac{7}{3}$ $\frac{3}{7}$
3)	What is the slope of a line to the line whose equation A) $-\frac{5}{4}$ B) $\frac{4}{5}$	that is perpendicular is $y = -\frac{4}{5}x - 3?$ C) $-\frac{4}{5}$ D) $\frac{5}{4}$	6)	lf a A) B)	line is horizontal, its sl 1 0	ope i C) D)	s undefined negative

Equations of Lines (Slope Intercept Form)

7) The equations of two lines are x - 5y = 6 and x + 5y = 1. Determine whether these lines are parallel, perpendicular, or neither.

8) The equations of two lines are 3y = 2x + 6 and 2y + 3x = 9. Determine whether these lines are parallel, perpendicular, or neither.

9) The equations of two lines are x + 2y = 8 and $y = -\frac{1}{2}x + 5$. Determine whether these lines are parallel, perpendicular, or neither.

1) D 2) B 3) D 4) C 5) A

- 6) B
- 7) neither
- 8) perpendicular
- 9) parallel