						0		10		
Nam	e:						1	J	-	
Scor	e:						Navigator		Student 30 min	
Теас	her:									
Q.1.	Which one of the following is parallel to the line with equation: $y = 2x + 3$									
	a)	$y = -\frac{1}{2}x + 2$	b)	y = x + 3	c)	y = -2x + 1	d)	y = 2x	e)	$y = \frac{1}{2}x + 1$
Q.2.	Which one of the following pairs of equations is parallel?									
	a)	y = 3x + 5	b)	y = 2x + 4	c)	y = 3x + 7	d)	y = x + 5	e)	y = 2x + 5
		y = 5x + 3		y = x + 4		y = 3x - 3		y = -x + 3		$y = \frac{1}{2}x + 3$
Q.3.	The graphs shown could have equations:									
	a)	y = 2x - 3	b)	y = 2x				Ťν		
		y = x		y = 2x + 3						
	c)	y = 2x - 3	d)	y = x					. /	
		$y = -\frac{1}{2}x$		y = x + 3						X ,
	e)	y = 2x					/			
		y = 2x - 3								
Q.4.	Determine the equation to the line narallel to $4x + 2y - 7$ passing through the point (2, 6) in the									
	, Dec				anei	to 1.1 ± y ,	passi		ine point	(_) 0) 11 110

Q.5. The line AB passes through A:(2, 6) and B:(3, 8). Line CD is parallel to AB and passes through C:(2, 9) and D:(3, y). Determine the value of y.

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TEXAS INSTRUMENTS Q.6. Which line is perpendicular to: y = 2x - 1

a) $y = -\frac{1}{2}x + 3$ b) y = -2x - 1 c) $y = \frac{1}{2}x - 1$ d) y = 2x - 1 e) $y = \frac{1}{2}x + 1$

- Q.7. A perpendicular line sharing the same x axis intercept could be:
 - b) y = 2x 3a) y = 2x + 3
 - c) y = -x d) y = -2x + 3
 - e) $y = \frac{1}{2}x + 3$



- Q.9. Which line is perpendicular to: y = 3x - 1
 - a) x+3y=12 b) -3x+y=1 c) y-3x-1=0 d) y-3x=-1 e) 3x+y=-1
- Q.10. Three lines are given as **AB**: $y = m_1x + 2$, **CD**: $y = m_2x 1$ and **EF**: $y = m_3x + 1$. If **EF** is perpendicular to **AB** and parallel to **CD**. Which <u>one or more</u> of the following must be true:

 $m_1 \cdot m_2 = -1$ b) $m_1 \cdot m_3 = -1$ c) $m_2 \cdot m_3 = -1$ d) $m_2 = m_3$ e) $m_1 \cdot m_2 \cdot m_3 = -1$ a)

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