Score

Objective 1: Solving Equations		Met	Not Met
1. What is the solution to $3 - (x + 1) = 5x + 6 - 7x$?	+1) = 5x + 6 - 7x?	2 . What value of x satisfies the equation	$\sin\frac{x+2}{2} = x-4^{\circ}$
£ × # ~ \$	B. X = 1	V - 4	1 (
C. X II 2	D × ± × . 0	† დ (ა	
Objective 2: Solving Inequalities		Met ·	Not Met
3. What is the solution to the inequality $^22(1-4x)+5\ge$	lity $^{2}(1-4x)+5 \ge 1-(x+9)$?	4. What is the solution to the inequality	5
A x ≥ 17 9	8. X 4. VI 4. VI		
C X2 111	$0. \times \leq ^{-10}$	7 × × 0 + × × 0	7 × × 0 4 × × 0
Objective 3: Real World Applications of Solving Equations & Inequalities	s of Solving Equations & Inequalities	Met	Not Met
5. Your total cost for hiring an interior designer is each hour the designer spends drawing plans.	 Your total cost for hiring an interior designer is \$200 for an initial consultation plus \$45 for each hour the designer spends drawing plans. 	6. A company charges \$13 plus \$3 per hour to rent a boat. Abigail and Monique want to rent a boat but do not want to spend more than \$20 each. What is the maximum number of hours the girls can rent a boat?	hour to rent a boat. Abigail and not want to spend more than \$20 of hours the girls can rent a boat?
Write a function rule to represent the situation.	tion.	A 9 houre	8. 6 boile
A 200 = 45h + C	B. C = 200h + 45h	S hours	D 2 hours
c. C = 200 + 45h	0.45 = C + 200		
Objective 4: Literal Equations		Met	Not Met
The equation $p = \frac{F}{I}$ gives, P ; pressure, on a surface when a force, F , is	, on a surface when a force, ${\cal F}_i$ is		
applied and A is the area of the surface on which the force is applied.	on which the force is applied.	8. Which formula represents the equation $r_{=}$	ation $r = \frac{1}{2}x + y$, when solved for y?
Solve the equation for F.			
$^{A} F = A \times P \qquad ^{8} F$	$F = \frac{A}{P}$	$A_{V} = \frac{2r}{x}$ $C_{V} = \frac{1}{r} \cdot \frac{1}{4}$	6. y = 1/2 0. ;; 2y = 1/2
$F = \frac{P}{A}$	F = A + P	y = i + 2	!

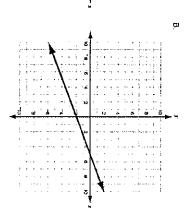
$$A f(x) = 2x + 1$$

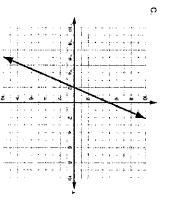
B.
$$f(x) = 2x - 1$$

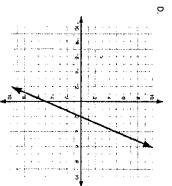
c.
$$f(x) = 3x - 1$$

$$0. \ f(x) = 3x + 1$$

17. Which graph represents a function with an x-intercept at -2 and a yintercept at 5?







- Objective 9: Parallel & Perpendicular Lines
- Met

Not Met

 \mathcal{B}_{x} , Which is an equation of a line perpendicular to the graph of 6x + y = 12?

A.
$$6x + y = 2$$

B.
$$6x - y = 12$$

C.
$$x + 6y = 12$$

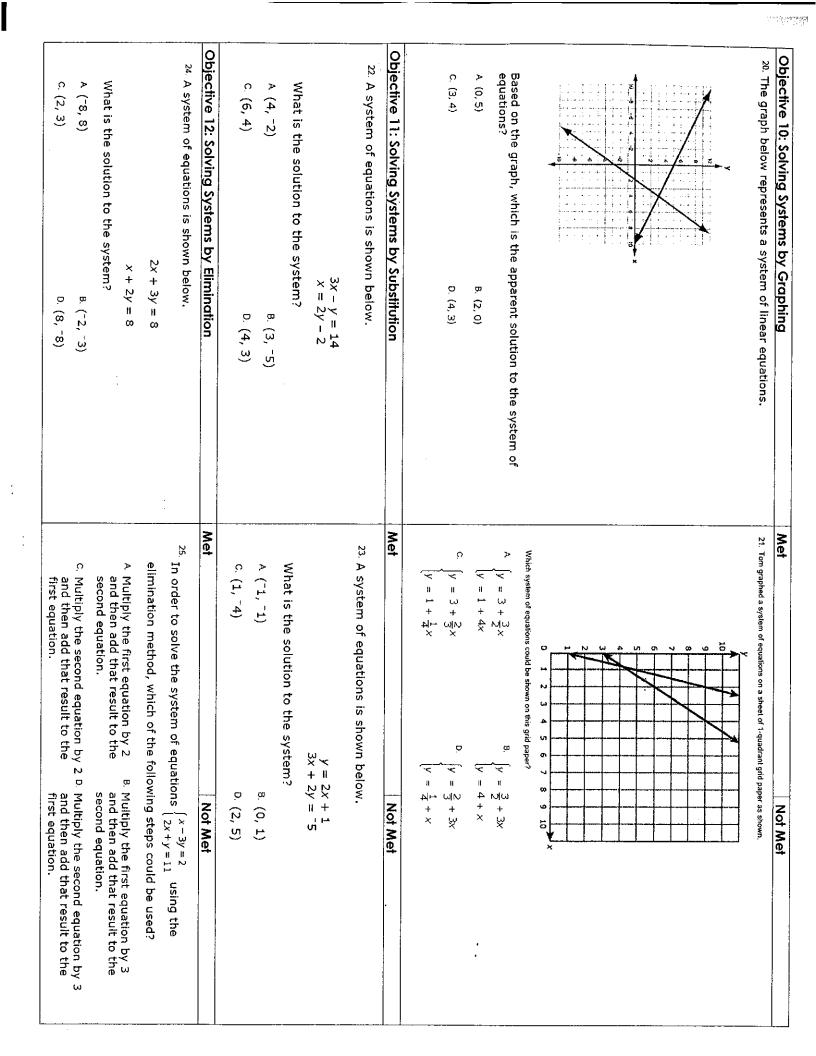
D.
$$x - 6y = 2$$

c.y = 2x + 16

$$y = \frac{1}{2}x + 10$$

19. What is the equation of a line passing through the point (-4, 8) that is parallel to the line y = 2x + 6?

$$D.y = 2x - 20$$



Objective is: Linear inequalities	27. Which of the points below would be a s	points below would be a solution for the system of inequalities?
26. Which point is a part of the solution set of the system of inequalities below? $y < 2x + 3$ $y < -2x + 3$ B. (0.1)	$2x + 5y \ge -7$ $y < \frac{2}{3}x + 5$	
D.	A (3,-7) C. (5,3)	B. (-8, 1) D. (8, -10)
Objective 14: Solving Systems by Substitution	Met	Not Met
28. The sum of two positive numbers is 45. The difference between the numbers is 9.	29. Michael has a jar of dimes and r in the jar that total \$11. If d re n represents the number of nick represents the situation?	Michael has a jar of dimes and nickels. There are 152 dimes and nickels in the jar that total \$11. If <i>d</i> represents the number of dimes and <i>n</i> represents the number of nickels, which system of equations below represents the situation?
What is the value of the <u>smaller number?</u>		
	A $d+n=11$ 0.05 $d+0.10n=152$	$ \begin{array}{l} 6 & 0+n = 11 \\ 0.10d + 0.5n = 152 \end{array} $
c. 27 D. 36	c. $\begin{cases} d+n=152\\ 0.05d+0.10n=11 \end{cases}$	D. $\begin{cases} d+n=152 \\ 0.10d+0.05n=11 \end{cases}$
30. A farmer plans to create a rectangular garden. The garden can be no more than 30ft wide. The perimeter can be no more than 180ft. Write a system of inequalities to model this situation.	nan 30ft es to model	
A w≥30 B. w≤30	-	
$2L + 2W \le 180$ $2L + 2W \le 180$		
C. w ≤ 30 D. w ≤ 180		
$30w \le 180$ $2L + 2W \le 30$		

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