DATE_____PER.____

NAME________REVIEW #20: RADICALS Simplify.

1. $\sqrt{50} =$ ______

2. $2\sqrt{96} =$ _____

3. $\sqrt{361} =$

4. $\sqrt{325a^6b^7} =$ ______

5. $5a^3b^2\sqrt{98a^2b^9} =$ ______

6. $4\sqrt{125x^{13}y^7} =$ _____

7. $2\sqrt{6} - 9\sqrt{6} =$ _____

8. $3\sqrt{5} + 6\sqrt{2} - 3\sqrt{2} + \sqrt{5} =$

9.	$3\sqrt{45} + 7\sqrt{36}$	=	

10.
$$4\sqrt{63} - 3\sqrt{32} =$$

11.
$$\sqrt{363x^3y^2z} =$$

12.
$$\sqrt{324} - 3\sqrt{225} =$$

13.
$$\sqrt{48} - \sqrt{12} =$$

14.
$$4\sqrt{2} - 6\sqrt{72} + 8\sqrt{50} =$$

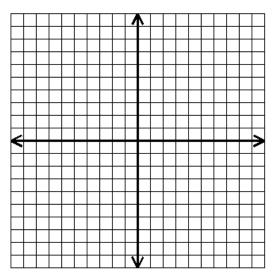
15.
$$3m^2n\sqrt{168m^3n^2} =$$

16.
$$\sqrt{425} =$$

REVIEW. SHOW WORK ON ALL PROBLEMS.

17.	Write the equation of a line that has a slope of 6 and contains the point (-3, 7).
18.	Write the equation of a line that goes through the points (1, -8) and (3, 0).
10	Write the equation that passes through (-9, 9) and is perpendicular to $y = 3x - 5$.
ıσ.	write the equation that passes through (-3, 3) and is perpendicular to $y = 3x - 3$.
20.	What is the x-intercept of $2x - 4y = 16$?
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23. Graph the line that represents the equation: 4x - 5y = 15



Slope: _____

y-intercept: _____

24. Solve the following for x:

$$5 - (2x - 7) = 2(4x + 9)$$

25. What value of x satisfies the following equation?

$$-3 + 6(x + 1) = 21$$

Answers in random order:

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$\frac{4}{5}$	Undefined	$y = -\frac{1}{3}x + 6$	(0, -3)	$5x^6y^3\sqrt{5xy}$	$\frac{-3}{5}$			
$9\sqrt{5} + 42$	y = 6x + 25	$-7\sqrt{6}$	$5a^3b^3\sqrt{13b}$	5√17	0			
$4\sqrt{5} + 3\sqrt{2}$	$6m^3n^2\sqrt{42m}$	(8, 0)	$2\sqrt{3}$	y = 4x - 12	$y = \frac{2}{3}x + 4$			
8√6	$5\sqrt{2}$	$35a^4b^6\sqrt{2b}$	$12\sqrt{7} - 12\sqrt{2}$	$8\sqrt{2}$	19			
$11xy\sqrt{3xz}$	3	-27	Study, study! Good luck!					