Name: _____ Date: _____

1.	Which number is prime?

2.	Find the GCF for 14 and 21.

3.	Find the GCF for 23 and 37.

4.	Evaluate. $(15-5)\div\left[(12\div 2\times 2)-2\right]$

5.	Evaluate. $-\lvert -43\rvert$

6.	Find the median. 25, 19, 22, 34, 36

7.	Find the median. 22, 19, 33, 41, 42, 3, 48, 35

8.	Evaluate. $(-4)^2+2$

9.	Evaluate. $8+2\times 5-24\div 6\times 2$

10.	Combine like terms. $3r + 4s - 6r$

11.	Multiply. $a^4b^2 \times ab^3$

12.	Divide. $\frac{50p^9q^5}{10pq^2}$

13.	Is –4 a solution to the equation $7x - 5 + 3x = 6 + x - 10$

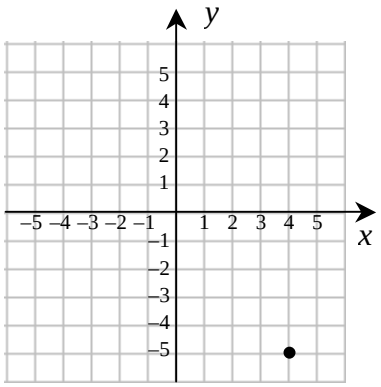
14.	Solve. $21 - 7x = 14$

15.	The length of one of the equal legs of an isosceles triangle is 8 cm less than 4 times the length of the base. If the perimeter is 29 cm, find the length of one of the equal legs.

16.	The perimeter of a rectangle is to be no greater than 300 in., and the length must be 125 in. Find the maximum width of the rectangle.

17.	Which of the ordered pairs is a solution for the equation $5x - 4y = 20$?

18. Give the coordinates of the point graphed below.



19. Graph $3x + 2y = 6$.

20. Graph $y = \frac{3}{4}x - 4$.

21. Find the y-intercept.

$-3x + y = -15$

22. Determine which two equations represent parallel lines.
Explain your answer for to earn credit on the choice.

(a) $y = 5x - 6$
(b) $y = -5x + 6$
(c) $y = 5x + 3$
(d) $y = -\frac{1}{5}x - 6$

A)	(a) and (b)
B)	(b) and (c)
C)	(a) and (c)
D)	(a) and (d)

23.	Write the equation of the line passing through (–3, –3) and (–3, 1).

24.	Graph the inequality. $y \geq 3x$

25.	Given $f(x) = 5x + 5$, find $f(a + 4)$.

26.	Solve the system by graphing. $x - y = 5$ $x + y = 3$

27.	Solve the system by addition. $5x - 3y = 13$ $4x - 3y = 11$

28.	Solve the system by substitution. $2x - 2y = 6$ $y = 2x - 13$

29.	Solve the following system of linear inequalities by graphing. $x + 2y \geq 3$ $2x - 3y \leq 6$

30.	Solve the following system of linear inequalities by graphing. $3x + 4y \leq 12$ $x + 3y \leq 6$ $x \geq 0$ $y \geq 0$