## Algebra Review of Concepts Chapters 4-6 OUIZ 26999

You may use your notes or my videos to help you on any question, but you cannot receive help from anyone.

1. What is the domain of $\{(3,5),(4,5),(5,5)\}$ ?
A. $\{3,4,5\}$
B. $\{5\}$
C. $\{3,5\}$
D. $\{5,4,5\}$
E. $\{4,4,5\}$
F. None of the above
2. Which ordered pairs below are solutions to the equation $4 x+4 y=8$ ?
(Pick all that apply.)
A. $(0,2)$
B. $(1,1)$
C. $(-2,3)$
D. $(6,-1)$
E. $(1,2)$
F. $(-2,2)$



3. What is graphed in Graph 3?
A. $y=2 x-4$
B. $y=2 x+2$
C. $y=\frac{1}{2} x-4$
D. $y=-\frac{1}{2} x-4$
E. $y=\frac{1}{2} x+4$
F. None of the above
4. What is graphed in Graph 4 ?
A. $y=2 x-4$
B. $y=-2 x-4$
C. $y=\frac{1}{2} x-4$
D. $y=-\frac{1}{2} x-4$
E. $y=\frac{1}{2} x+4$
F. None of the above
5. What is graphed in Graph 5?
A. $y=-x-1$
B. $y=-2 x-1$
C. $y=x+1$
D. $y=-x+1$
E. $y=2 x+1$
F. None of the above
6. What is the domain of the graph below?

A. $x>2$
B. $x \geq 2$
D. $x \geq 1$
E. $x<2$
C. $x>1$
F. None of the above
7. What is the range of the graph below?

A. All Real Numbers
B. $y \geq 3$
C. $y \leq 3$
D. $-3<y<3$
E. $-3 \leq y \leq 3$
F. None of the above
8. What inequality is graphed below.

The line is a DASHED line, but doesn't appear like it.

A. $y \geq-x-3$
B. $y>3 x-1$
C. $y<3 x+1$
D. $y \geq-x-2$
E. $y>-x+3$
F. None of the above
9. What is the slope between the points $(6,24)$ and $(4,30)$ ?
A. -6
B. -4
C. -5
D. -3
E. 4
F. None of the above
10. Rewrite the equation $2 x+\frac{1}{3} y=4$ into slope intercept form.
A. $y=-8 x+16$
B. $y=-6 x+12$
C. $y=-10 x+20$
D. $y=8 x+16$
E. $y=-15 x+4$
F. None of the above
11. What is $\mathrm{f}(-2)$ for the function $f(x)=\frac{4(x-2)}{2}$
A. -16
B. -14
C. 3
D. -12
E. -8
F. None of the above
12. Which of these is the zero of the function $f(x)=x^{2}+6 x+8$ ?
A. -1
B. 2
D. 0
E. 6
C. -4
F. None of the above
13. What is the x -intercept of $\mathrm{f}(\mathrm{x})=\mathrm{x}-4$ ?
A. $(-4,0)$
B. $(0,-2)$
C. $(4,0)$
D. $(0,2)$
E. $(2,6)$
F. None of the above
14. If the domain of $f(x)=-5 x+3$ is $\{-1,0,1\}$, what is the range?
A. $\{8,0,2\}$
B. $\{-8,3,2\}$
C. $\{8,3,-2\}$
D. $\{-8,0,-2\}$
E. $\{8,3,2\}$
F. None of the above
15. Give the equation of the line, in slope intercept form, that goes through the point $(2,2)$ and is parallel to the line $\mathrm{y}=2 \mathrm{x}-1$.
A. $y=2 x-2$
B. $y=-2 x+4$
C. $y=-\frac{1}{2} x+4$
D. $y=-\frac{1}{2} x+8$
E. $y=-\frac{1}{2} x+2$
F. None of the above

