1.5 Review Warmup

The point $(-6, -8)$ is on the graph of $y = f(x)$. Determine the coordinates of the point on the graph of:

1. $y = f(x-5)$ $(-1, -8)$	2. $y = f^{-1}(x)$ $(-8, -6)$	3. $6y = f(x)$ $\left(-6, -\frac{8}{6}\right)$	4. $y = f(-3x-1)$ $\left(\frac{5}{3}, -8\right)$
5. $y = 2f(3x-4)-5$ $\left(-\frac{2}{3}, -21\right)$	*6. $y = \|f(x)\|$ $(-6, 8)$	7. $x = f(y)$ $(-8, -6)$	8. $\dfrac{y-1}{2} = f(x)$ $(-6, -15)$
9. $y = -f(2(x-3))-5$ $(0, 3)$	10. $y+1 = f(x+2)$ $(-8, -9)$	11. $y = -2f(-x+3)-5$ $= (9, 11)$	12. $y = f(-3x)$ $(2, -8)$
13. $y = -2f(x-5)+1$ $= (-1, 17)$	14. $2y-3 = f(-x)$ $\left(6, \frac{-5}{2}\right)$	$y = 2f(5x)-3$ *15. ~~$y = 2f(x)-3$~~ $\left(-\frac{6}{5}, -19\right)$	16. $y = f\left(\frac{1}{3}x\right)$ $(-18, -8)$
17. $y = -f(x+2)-4$ $(-8, 4)$	18. $\dfrac{-y-3}{2} = f\left(\frac{1}{2}x-1\right)$ $(-10, 13)$	*19. $y = -3f^{-1}(x+1)$ $(-9, 18)$	*20. $y = f\left(\frac{1}{x}\right)$ $\left(-\frac{1}{6}, -8\right)$

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5. $y = 2f(3x-4)-5$	*6. $y = \|f(x)\|$	7. $x = f(y)$	8. $\dfrac{y-1}{2} = f(x)$
9. $y = -f(2(x-3))-5$	10. $y+1 = f(x+2)$	11. $y = -2f(-x+3)-5$	12. $y = f(-3x)$
13. $y = -2f(x-5)+1$	14. $2y-3 = f(-x)$	*15. $y = 2\|f(x)\|-3$	16. $y = f\left(\tfrac{1}{3}x\right)$
17. $y = -f(x+2)-4$	18. $\dfrac{-y-3}{2} = f\left(\dfrac{1}{2}x-1\right)$	*19. $y = -3f^{-1}(x+1)$	*20. $y = f\left(\dfrac{1}{x}\right)$