y = f(x) - 22. 1. y = f(x) + 3(2, 2)2 (0, 2) (2, 2) (4, 0)4 x -4(4, -2)(-4, -2)y = f(x+1)y = -f(x) $y = f(\frac{1}{2}x)$ y = f(x-2)y = -2f(x)y = |f(x)|y = -f(x)y = |f(x)|y = f(-x) $y = \frac{1}{2}f(x)$ y = f(-x)y = f(2x)3. If (6, 8) is a point on the graph of y = f(x), which of the following must be a 4. If (6, 8) is a point on the graph of y = f(x), which of the following must be a point on y = -f(x)? A) (6, 8) C) (-6, 8) D) (-6, -8) point on y = f(-x)? A) (6, 8) D) (-6, -8) C) (-6, 8) B) (6, -8) B) (6, -8) 5. If (6, 8) is a point on the graph of y = f(x), which of the following must be a 6. If (6, 8) is a point on the graph of y = f(x), which of the following must be a point on $y = \frac{1}{2} f(x)$? A) (3, 8) B) (6, 4) point on y = 2f(x)? A) (3, 8) B) (6, 4) C) (12, 8) D) (6, 16) C) (12, 8) D) (6, 16) Graph the following piecewise functions. x - 3 if $-2 \le x < 1$ 8. Corgi(x)= $\int |x+3| - 4$ if $x \le 1$ 7. bunny(x) = 2*x* + 5 ifx < 0 $2\sqrt{x}$ if x > 19. Meg(x) = 5 if x = 1-3 $if0 \le x < 2$ if x > 1- *x* +2 $\frac{-1}{2}x + 4$ if $x \ge 2$

Precal 2.4 & 5 Practice In problems 1 & 2, the graph of a function is illustrated. Graph the resulting transformations.