

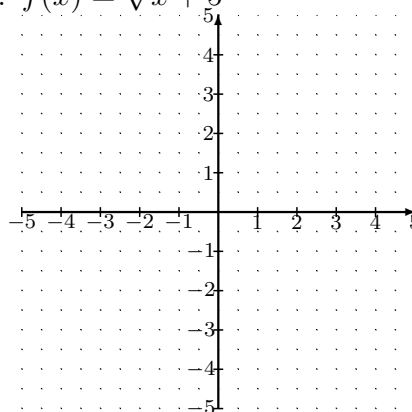
HAP 3.5 Transformations of Functions

- vertical (up, down) and horizontal (left, right) shifts with _____

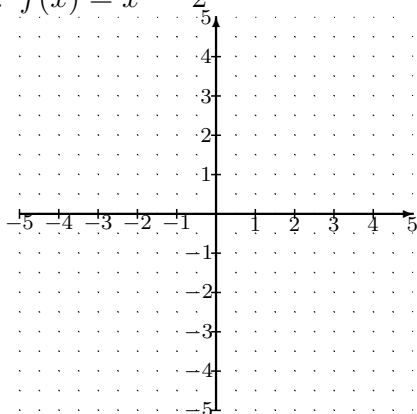
- compressions and stretches with _____

- Reflections in the x -axis and y -axis with _____

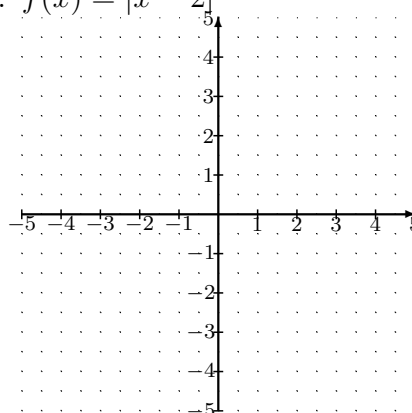
3. $f(x) = \sqrt{x+5}$



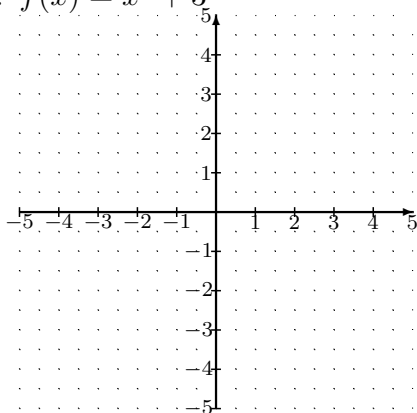
1. $f(x) = x^2 - 2$



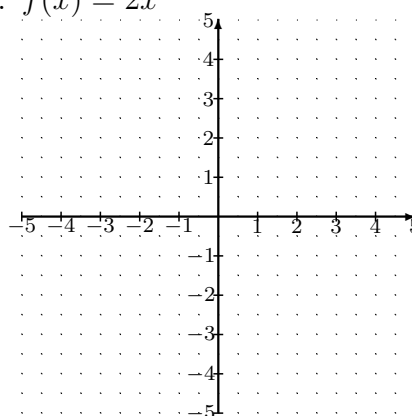
4. $f(x) = |x - 2|$



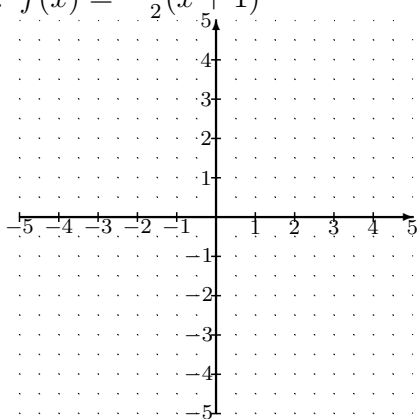
2. $f(x) = x^3 + 3$



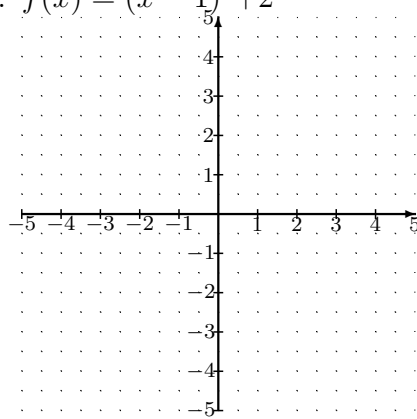
5. $f(x) = 2x^2$



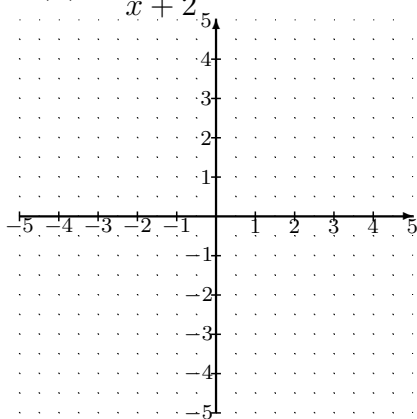
6. $f(x) = -\frac{1}{2}(x+1)^2$



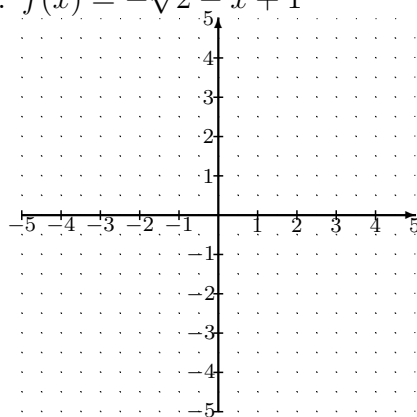
9. $f(x) = (x-1)^2 + 2$



7. $f(x) = \frac{-1}{x+2}$



10. $f(x) = -\sqrt{2-x} + 1$



8. $f(x) = -\sqrt{3-x}$

