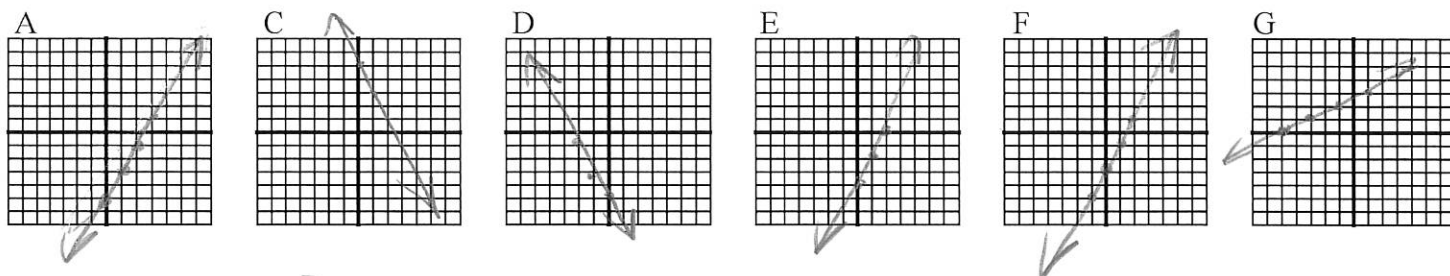


Name KEY

For each equation find both algebraically and graphically:

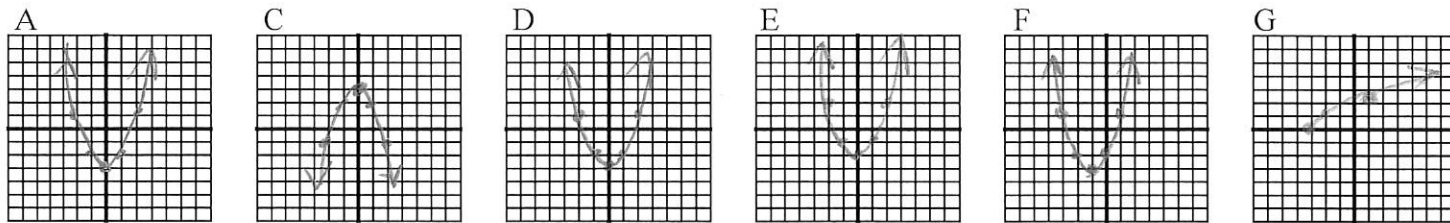
- A. Graph $f(x)$
- B. Domain and range
- C. $-f(x)$
- D. $f(-x)$
- E. $f(x)+1$
- F. $f(x+1)$
- G. $f^{-1}(x)$, restricting the domain of $f(x)$ if necessary

✓ 1. $f(x) = 2x - 5$



D: $(-\infty, \infty)$
R: $(-\infty, \infty)$

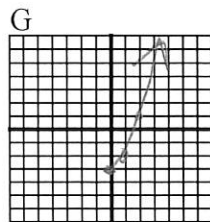
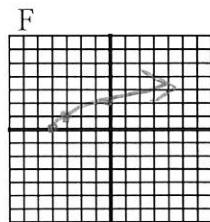
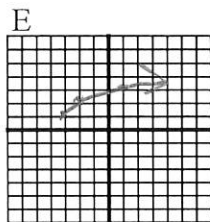
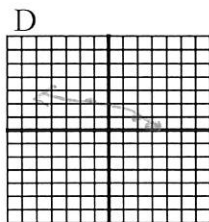
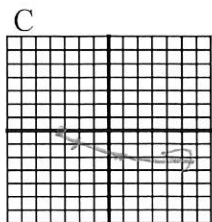
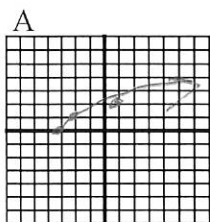
✓ 2. $f(x) = x^2 - 3$



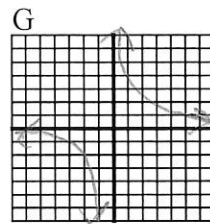
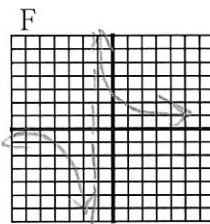
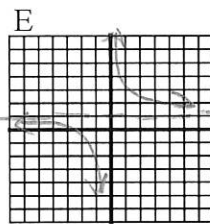
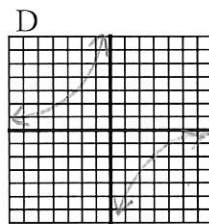
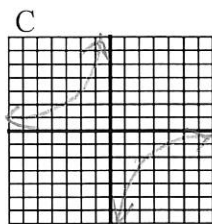
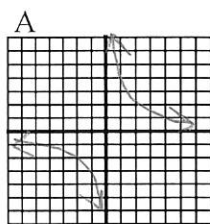
D: $(-\infty, \infty)$
R: $[-3, \infty)$

restrict domain to $x \geq 0$
for inverse

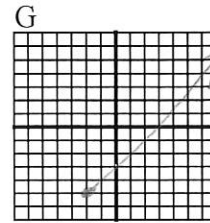
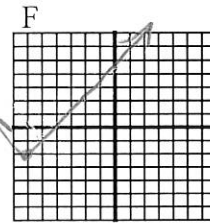
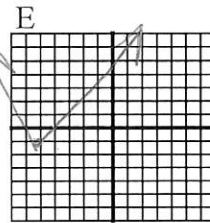
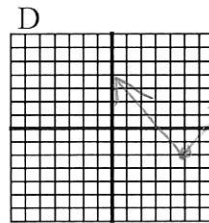
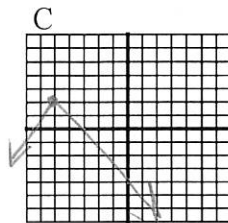
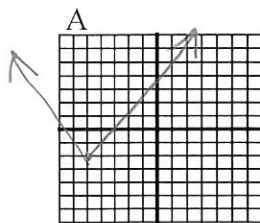
✓ 3. $f(x) = \sqrt{x-3}$



✓ 4. $f(x) = \frac{1}{x}$



✓ 5. $f(x) = |x+5| - 2$



restrict domain to $x \geq -5$