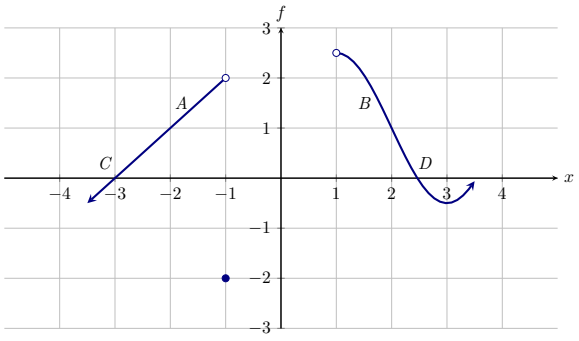
Definition 1. *The graph below represent function pairs for the function f.*



Exercise 1 *f(-4)* $\approx \boxed{-1}$
given

Exercise 2 *f(-1)* $\approx \boxed{-2}$
given

Exercise 3 *f(0)* $\approx \boxed{DNE}$
given

Exercise 4 *f(2)* $\approx \boxed{1}$
given

Exercise 5 *f(4)* $\approx \boxed{1}$
given

Exercise 6 *If you were solving* $f(x) = 1.5$*, then around which areas would you be looking?*

Select All Correct Answers:

(a) A ✓

(b) B ✓

(c) C

(d) D

Exercise 7 $f(-5) \leq f(3)$

Multiple Choice:

(a) *True* ✓

(b) *False*

(c) $CannotDetermine$

Exercise 8 $f(-1) \leq f(3)$

Multiple Choice:

(a) *True* ✓

(b) *False*

(c) $CannotDetermine$

Exercise 9 $f(-7) \cdot f(-1) \leq 0$

Multiple Choice:

(a) *True*

(b) *False* ✓

(c) $CannotDetermine$

Exercise 10 *According to the graph, the domain of f is best described by which set?*

Multiple Choice:

(a) $(-3.5, -1) \cup (1, 3.5)$

(b) $(-\infty, -1] \cup (1, \infty)$ ✓

(c) $(-3.5, -1] \cup (1, 3.5)$

(d) $(-3.5, -1] \cup (1, \infty)$

Exercise 11 *According to the graph, the range of f is best described by which set?*

Multiple Choice:

(a) $\{-2\} \cup (-0.5, 2.5)$

(b) $(-\infty, \infty)$

(c) $(-\infty, 2.5)$ ✓

(d) $(-\infty, 2.5]$
