Exercise 1 *What is the implied domain of the function Y defined by the formula $Y(m) = \dfrac{m-3}{m-2}$?*

Multiple Choice:

(a) $(-\infty, 3) \cup (3, \infty)$

(b) $(-\infty, 2) \cup (2, \infty)$ ✓

(c) $(2, 3)$

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

Exercise 2 *What is the implied domain of the function J defined by the formula $J(k) = k + 1$?*

Multiple Choice:

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

(b) $(-1, 1)$

(c) $(-\infty, -1) \cup (-1, \infty$

(d) $(-\infty, \infty)$ ✓

Exercise 3 *What is the implied domain of the function Z defined by the formula $Z(t) = \sqrt{8-t} + 3$?*

Multiple Choice:

(a) $(-\infty, 8)$ ✓

(b) $(8, \infty)$

(c) $(-\infty, 1) \cup (1, \infty$

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

Exercise 4 *What is the least number in the domain of the function Z defined by the formula $Z(t) = \sqrt{8-t} + 3$?* $\boxed{8}$
