

Answers:

1) $(-\infty, -11] \cup [13, \infty)$

2) $(4, \frac{19}{4}] \cup (6, \infty)$

3) $f(7) = 145$

4) $H(-10) = 28$

5) *All real numbers*

6) $x \geq 2, [2, \infty)$

7) $(-\infty, -6) \cup (-6, 1) \cup (1, \infty)$

8) $f(g(h(3))) = \frac{1}{6}$