

1. Solve and graph the solution set of the following inequality. Express the solution set using interval notation.

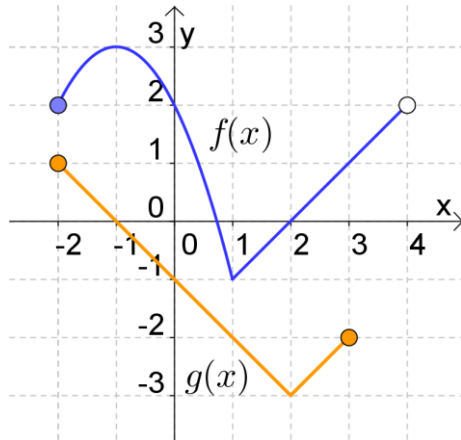
$$-\frac{5x}{10} + 1 \geq \frac{1}{5} - \frac{x}{10}$$

2. Solve $3(x - 2) + x \leq 4(x - 1)$. Express the solution set using interval notation.

3. Solve $5x < 5(x - 3)$.

4. (Review) Solve $A = P + Prt$ for P .

5. (Review) Use the following graph to answer the following questions.



a) Find $f(1)$.

b) Find $g(1)$.

c) Find $\left(\frac{f}{g}\right)(1)$.

d) Find $(fg)(0)$.

6. (Review) Simplify: $\left(\frac{-15a^4b^2}{5a^{10}b^{-3}}\right)^3$

Q: What has teeth but can't bite?