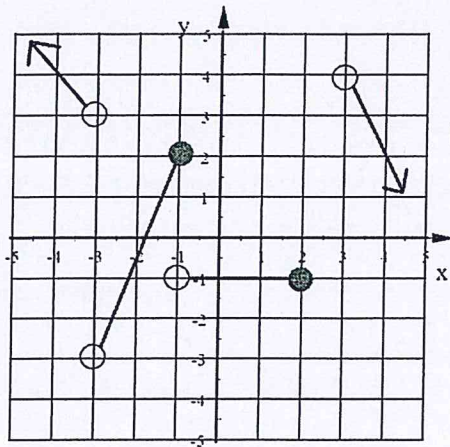


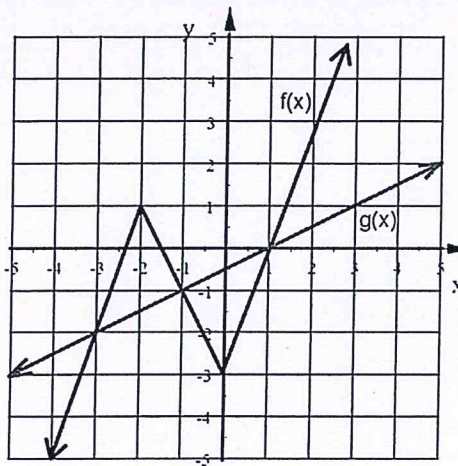
1. State the Domain and Range of the graph shown below in Interval Notation.



Domain:

Range:

2. Use the graphs of $f(x)$ and $g(x)$ shown below to answer the following:



a. $f(x) = g(x)$

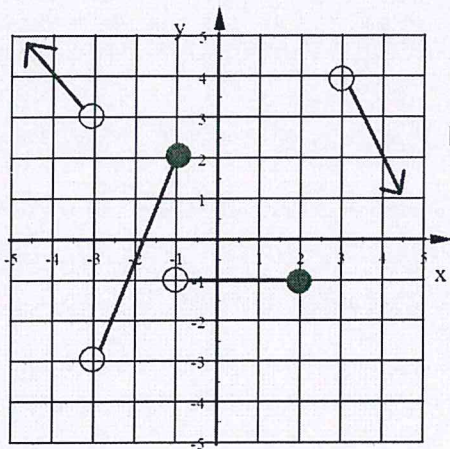
b. $f(x) > g(x)$

c. $g(x) \geq f(x)$

3. Use these functions: $h(b) = \frac{3b-1}{5}$ $m(e) = -3e^2 + 5e$

Find $-5h(7) - 2m(-4)$

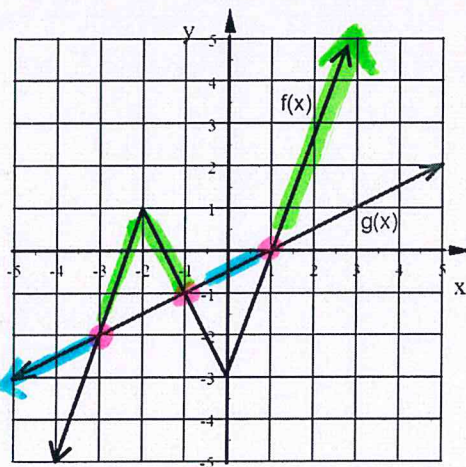
1. State the Domain and Range of the graph shown below in Interval Notation.



Domain: $(-\infty, -3) \cup (-3, 2) \cup (2, \infty)$

Range: $(-\infty, \infty)$

2. Use the graphs of $f(x)$ and $g(x)$ shown below to answer the following:



a. $f(x) = g(x)$ $x = -3, -1, 1$

b. $f(x) > g(x)$ $(-3, -1) \cup (1, \infty)$

c. $g(x) \geq f(x)$ $(-\infty, -3] \cup [-1, 1]$

3. Use these functions: $h(b) = \frac{3b-1}{5}$ $m(e) = -3e^2 + 5e$

Find $-5h(7) - 2m(-4)$

$$h(7) = \frac{3(7)-1}{5} = \frac{21-1}{5} = \frac{20}{5} = 4$$

$$\begin{aligned} m(-4) &= -3(-4)^2 + 5(-4) \\ &= -3(16) + 5(-4) \\ &= -48 - 20 \\ &= -68 \end{aligned}$$

$$\begin{aligned} &-5(4) - 2(-68) \\ &= -20 + 136 \\ &= 116 \end{aligned}$$