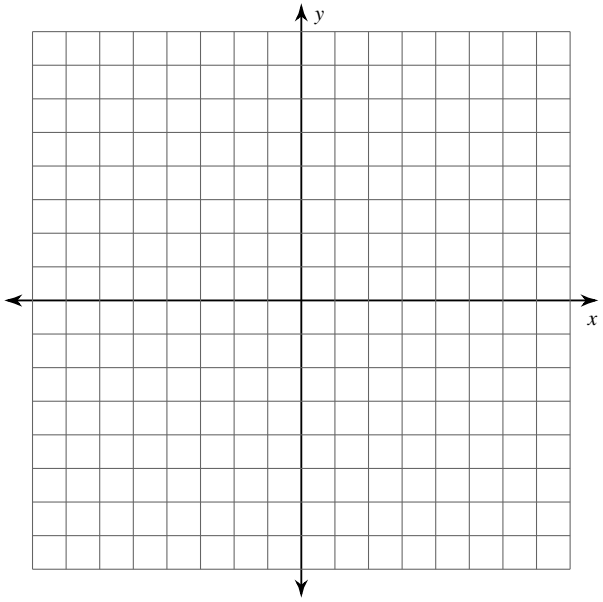
Intermediate Algebra Name_____

Target 8.1 Retest Packet

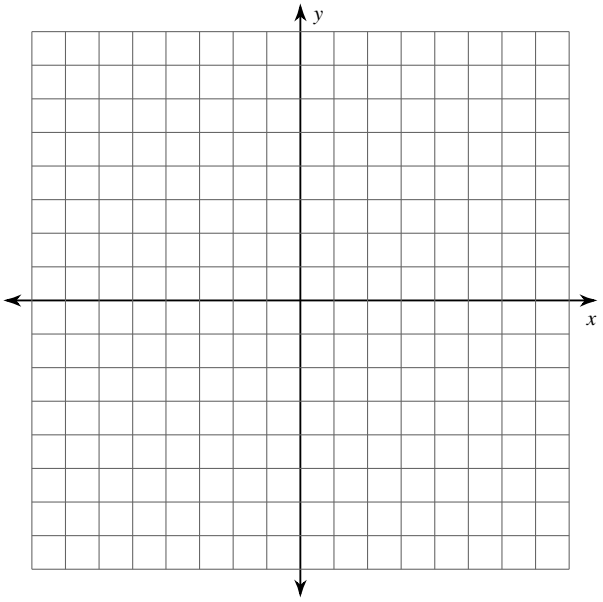
Teacher_____ Period____

Graph each equation or inequality. State the domain and range.

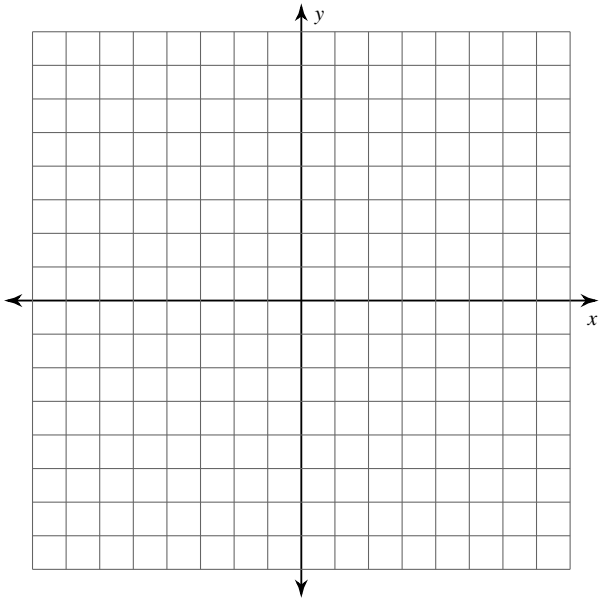
1) $y = 2\left|x + 3\right| - 2$



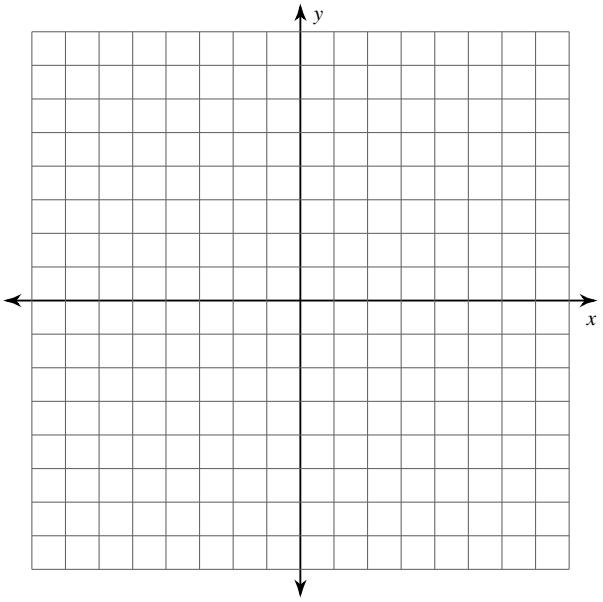
2) $y \geq 2\left|x + 1\right| - 3$



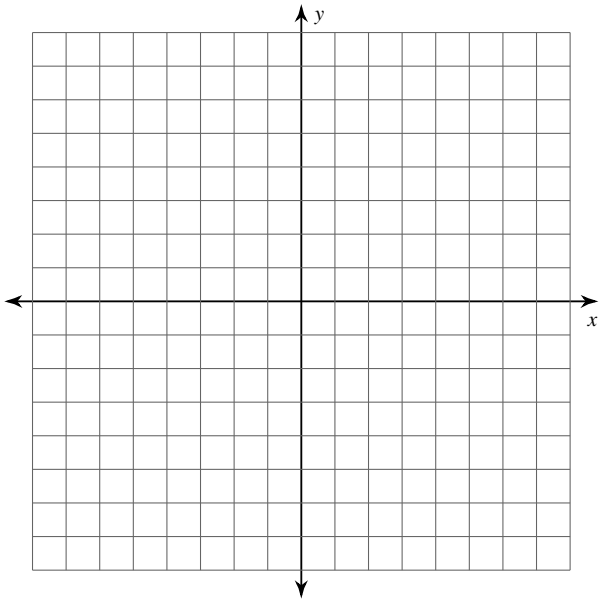
3) $y < \left|x\right| - 6$



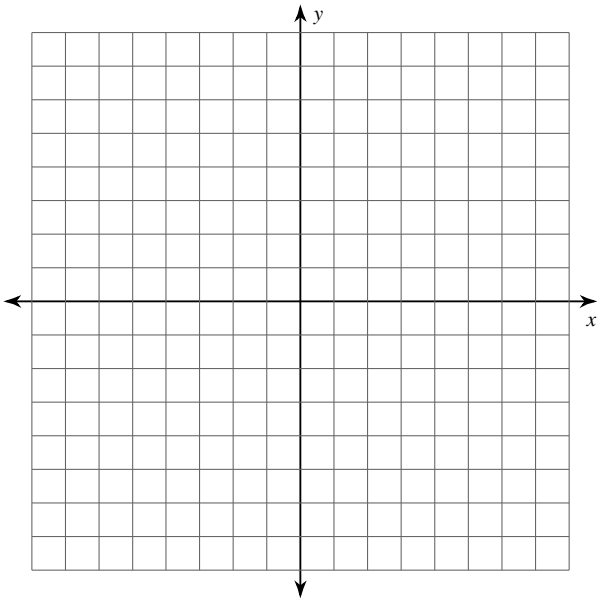
4) $y = -\left|x - 3\right| - 2$



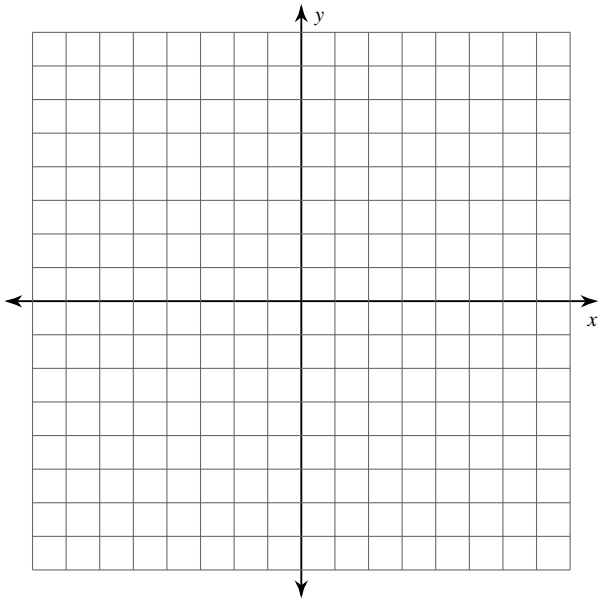
5) $y = -3\left|x - 2\right| + 5$



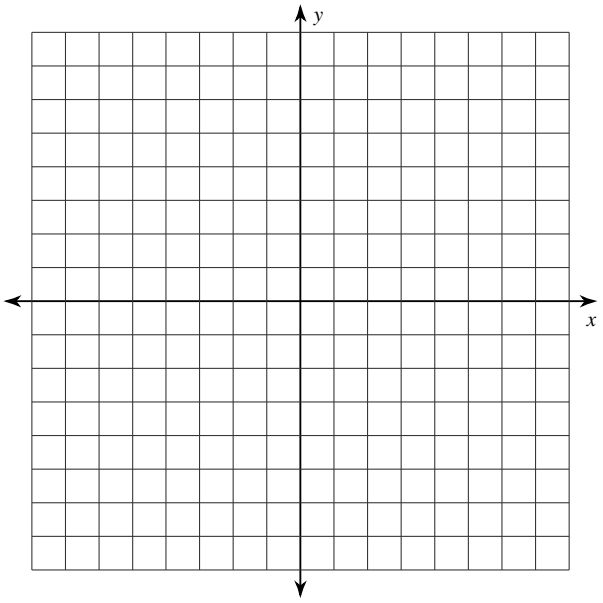
6) $y > 5\left|x + 2\right| - 6$



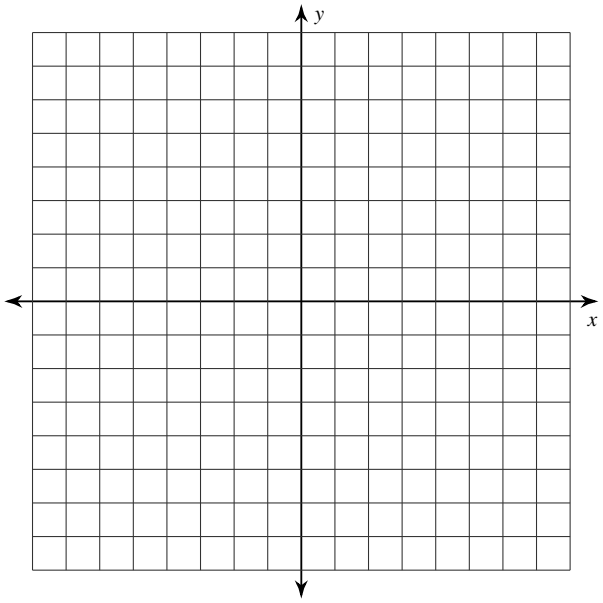
7) $y > 2\left|x - 3\right| - 4$



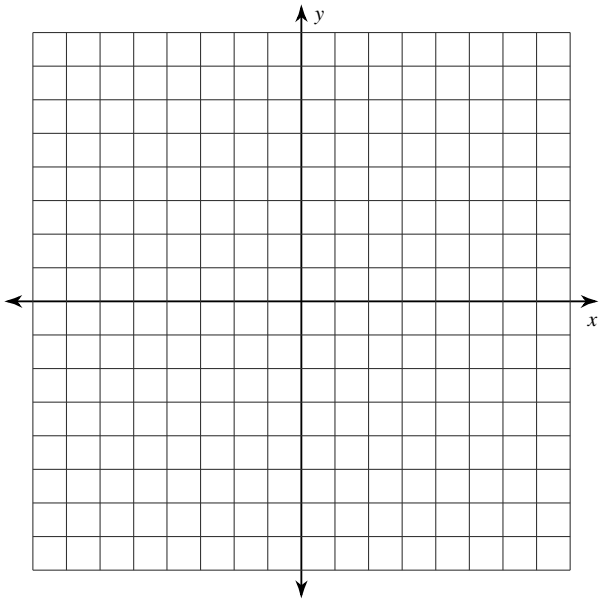
8) $y \leq -\left|x - 2\right| + 4$



9) $y \geq 3\left|x+2\right| - 6$

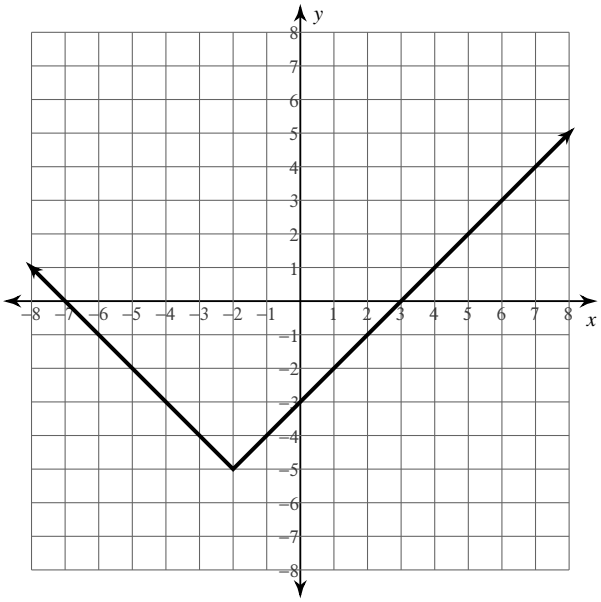


10) $y = -3\left|x-3\right|$

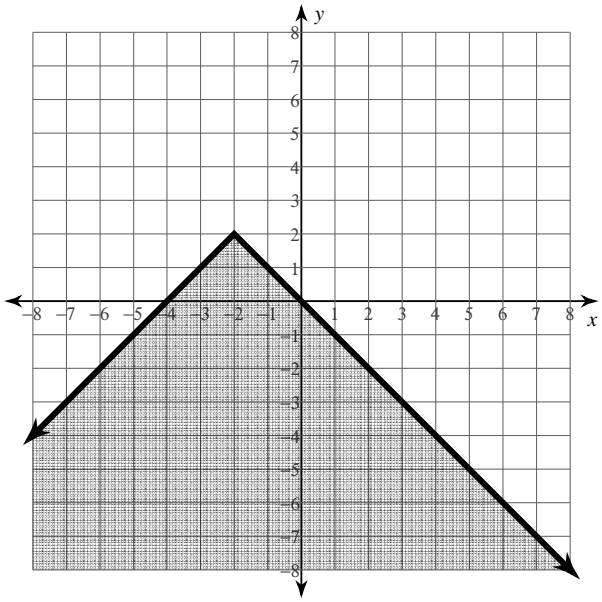


Write the equation or inequality for the following graphs. State the domain and range.

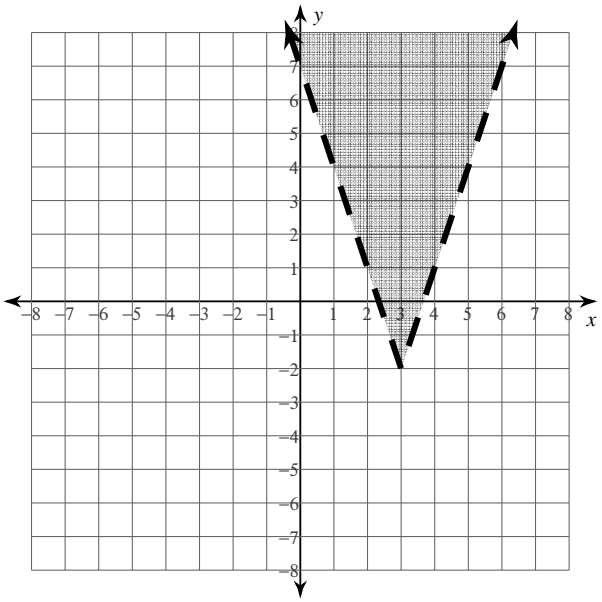
11)



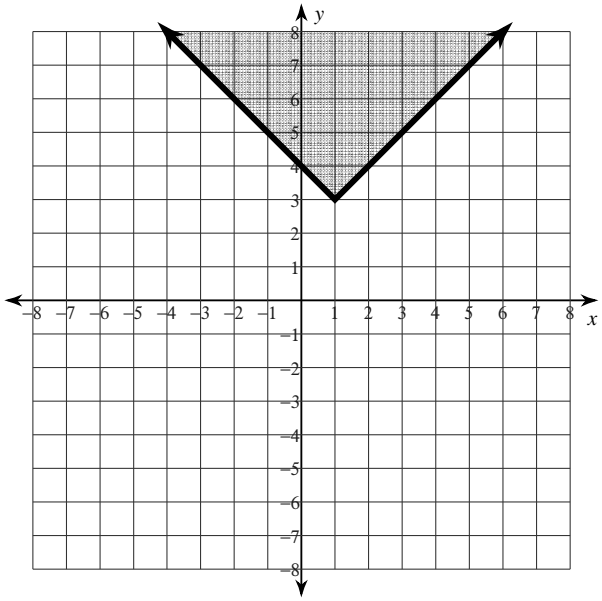
12)



13)



14)



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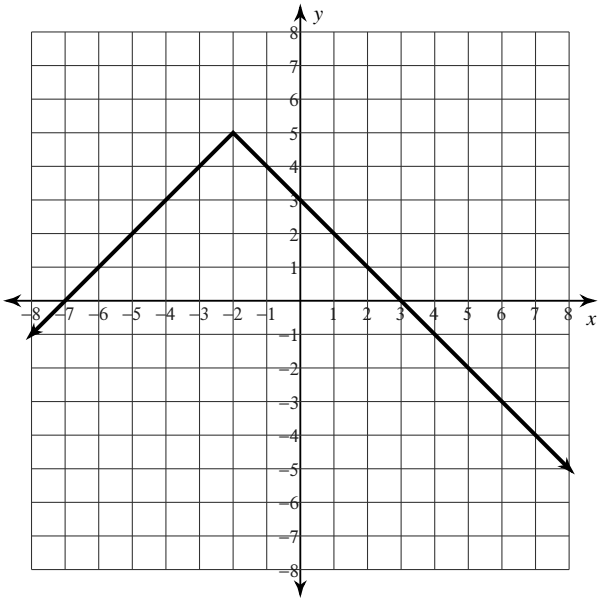
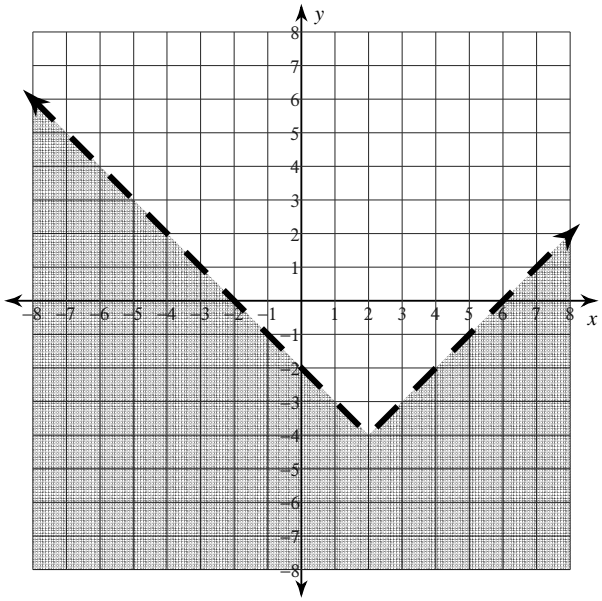
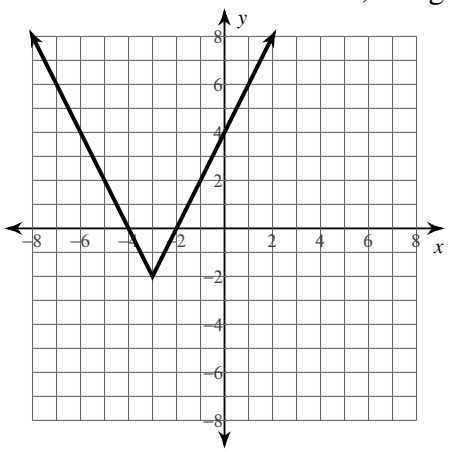


16)

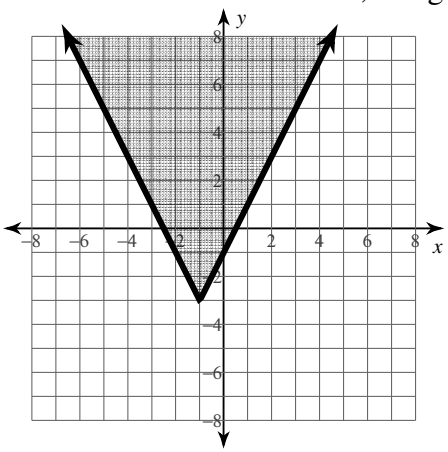


Answers to Target 8.1 Retest Packet

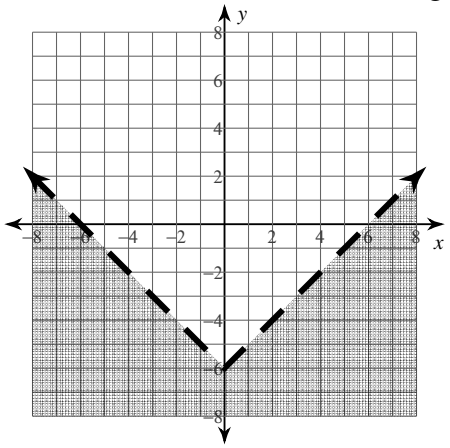
1) Domain: All Real Numbers; Range: $y \geq -2$



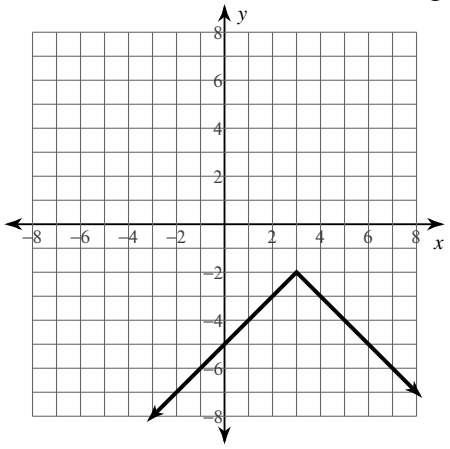
2) Domain: All Real Numbers; Range: $y \geq -3$



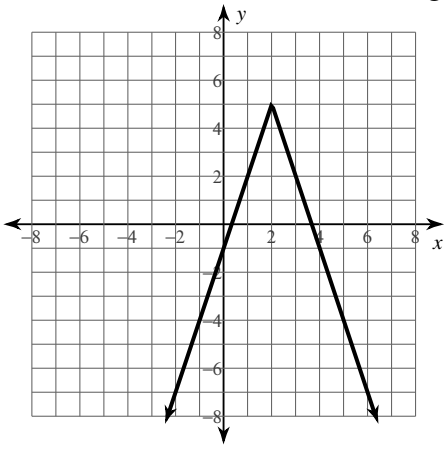
3) Domain: All Real Numbers; Range: All Real Numbers



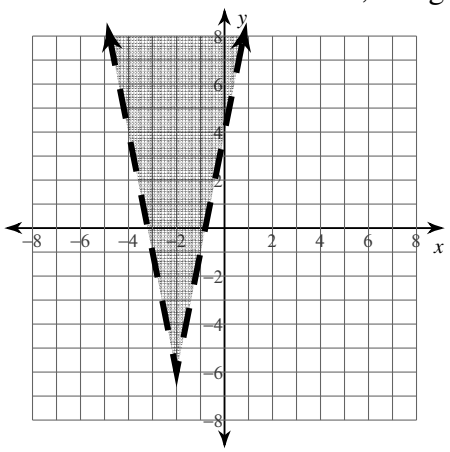
4) Domain: All Real Numbers; Range: $y \leq -2$



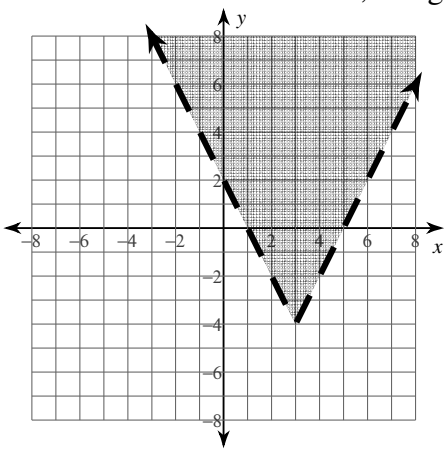
5) Domain: All Real Numbers; Range: $y \leq 5$



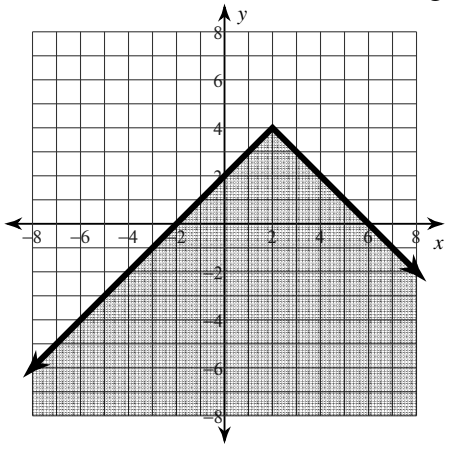
6) Domain: All Real Numbers; Range: $y > -6$



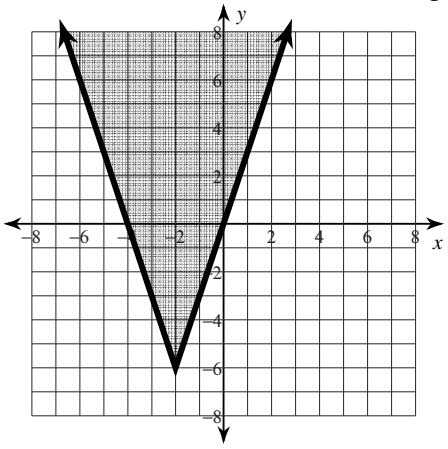
7) Domain: All Real Numbers; Range: $y > -4$



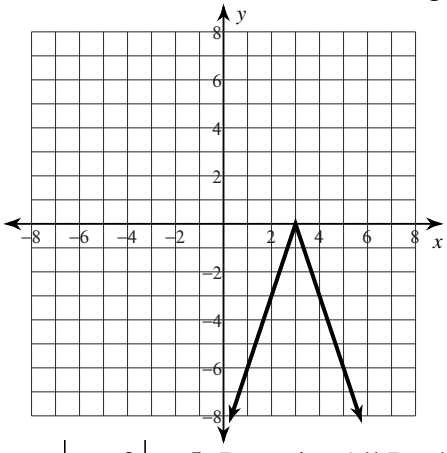
8) Domain: All Real Numbers; Range: $y \le 4$



9) Domain: All Real Numbers; Range: $y \ge -6$



10) Domain: All Real Numbers; Range: $y \le 0$



11) $y = \left|x + 2\right| - 5$; Domain: All Real Numbers; Range: $y \ge -5$

12) $y \le -\left|x + 2\right| + 2$; Domain: All Real Numbers; Range: $y \le 2$

13) $y > 3\left|x - 3\right| - 2$; Domain: All Real Numbers; Range: $y > -2$

14) $y \ge \left|x - 1\right| + 3$; Domain: All Real Numbers; Range: $y \ge 3$

15) $y = -\left|x + 2\right| + 5$; Domain: All Real Numbers; Range: $y \le 5$

16) $y < \left|x - 2\right| - 4$; Domain: All Real Numbers; Range: All Real Numbers