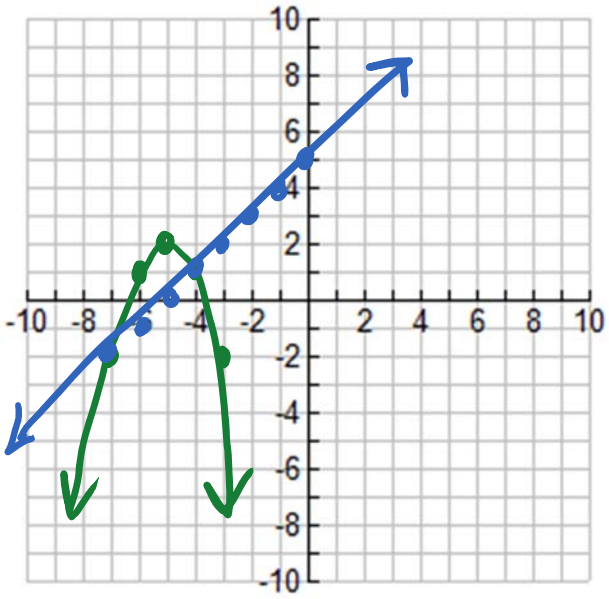


$y_1 = -(x+5)^2 + 2$

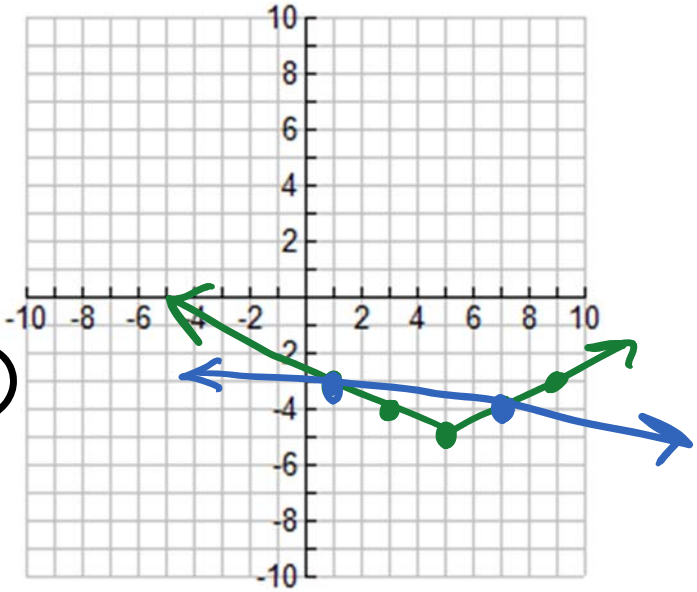
$y_2 = x + 5$

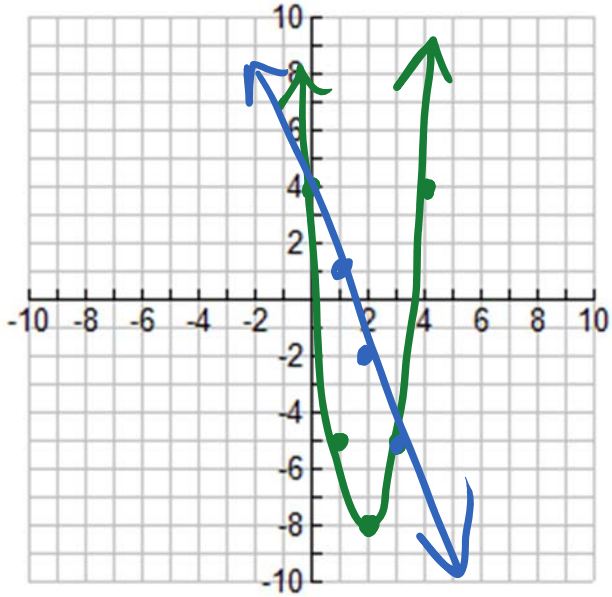
- $y_1 = y_2$ for $x = -7, -4$
- $y_1 > y_2$ for $(-7, -4)$
- $y_1 < y_2$ for $(-\infty, -7) \cup (-4, \infty)$

$y_1 = \left|\frac{1}{2}(x-5)\right| - 5$

$y_2 + 3 = -\frac{1}{2}(x-1)$

- $y_1 = y_2$ for $x = 1, 7$
- $y_1 > y_2$ for $(-\infty, 1) \cup (7, \infty)$
- $y_1 < y_2$ for $(1, 7)$





$y_1 = 3(x-2)^2 - 8$

$y_2 = -3x + 4$

- $y_1 = y_2$ for $x = 0, 3$
- $y_1 > y_2$ for $(-\infty, 0) \cup (3, \infty)$
- $y_1 < y_2$ for $(0, 3)$