

\* Graph each piecewise function  
on a separate coordinate plane.

Math 3

Act. #58

"Piecewise Functions"

①  $y = 3x + 5$  if  $x \leq -2$

②  $y = -x + 3$  if  $x > 1$

③  $y = |x - 2|$  if  $x < 3$

④  $y = -|x + 4|$  if  $x \geq -7$

⑤  $y = \sqrt{x - 6}$  if  $x > 8$

⑥  $y = \sqrt{x} + 2$  if  $x \leq 2$

⑦  $y = x^2 + x - 6$  if  $-2 < x \leq 1$

⑧  $y = x^2 + 2x - 24$  if  $-4 \leq x < 2$

⑨  $y = |x - 5|$  if  $-2 < x < 8$

⑩  $y = -|2x + 3|$  if  $-4 \leq x < 1$

⑪  $y = \sqrt{3x - 4}$  if  $4 \leq x < 8$

⑫  $y = \sqrt{6x} - 5$  if  $2 < x < 6$