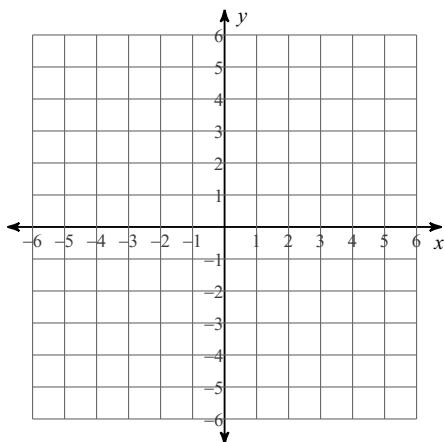


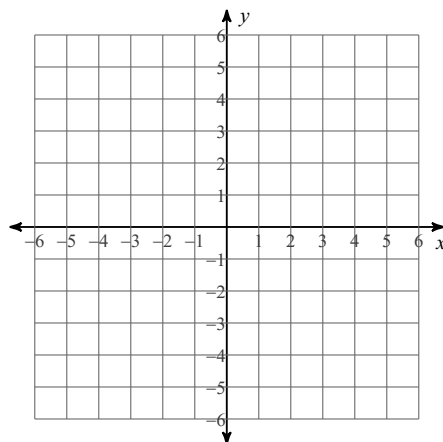
CH 4 Graphing Absolute Value Review

Graph each equation.

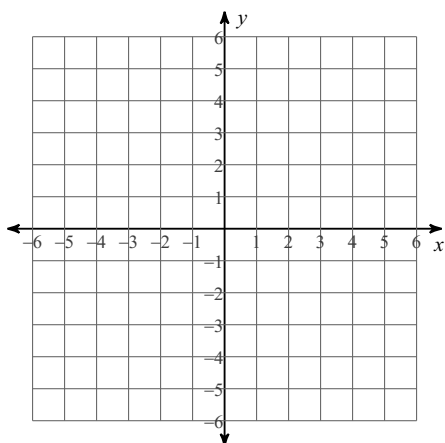
1) $y = |x| - 1$



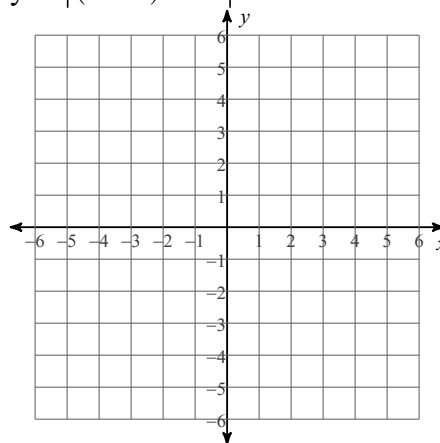
2) $y = 3|x - 3|$



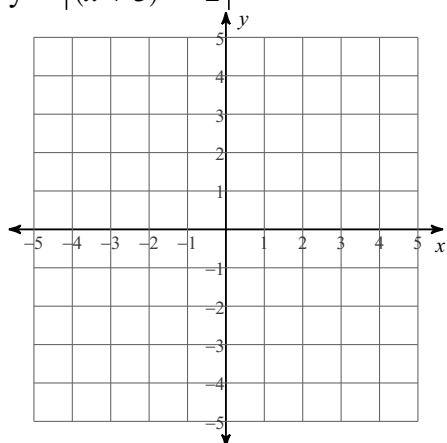
3) $y = |x| + 3$



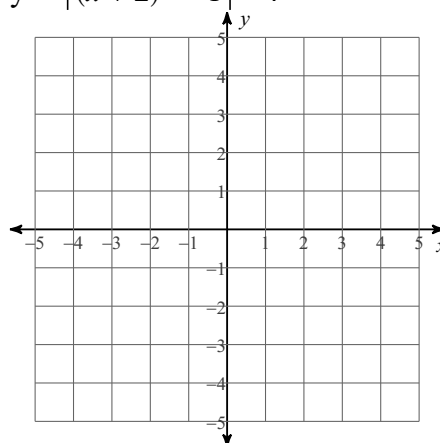
4) $y = |(x - 1)^2 - 4|$



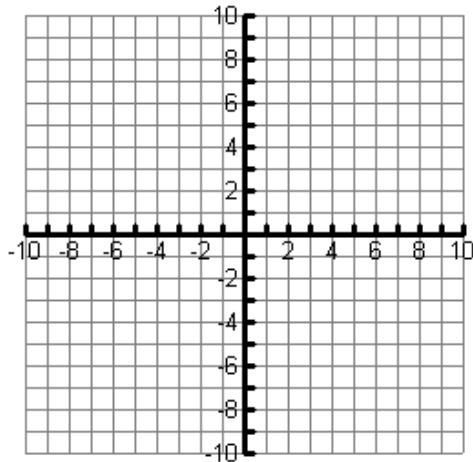
5) $y = |(x + 3)^2 - 2|$



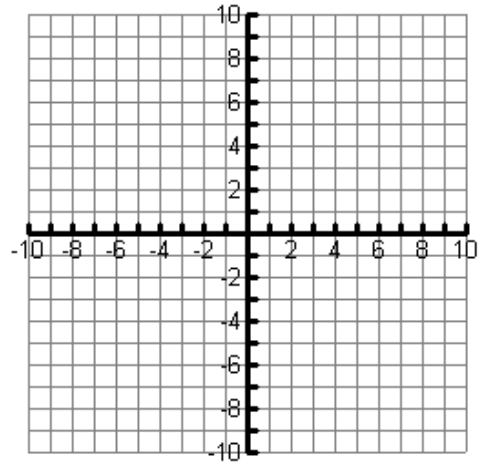
6) $y = |(x + 2)^2 - 1| + 4$



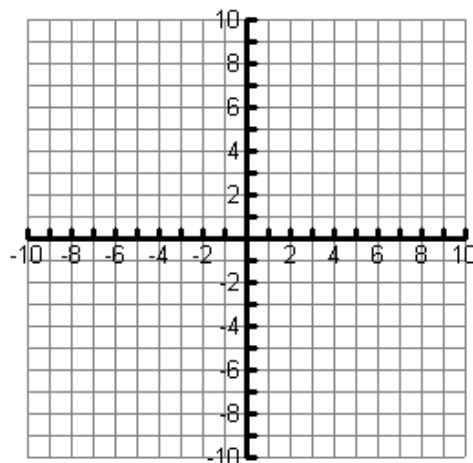
$$7. \quad f(x) = \begin{cases} -3x - 4, & x \leq -2 \\ x + 1, & x > -2 \end{cases}$$



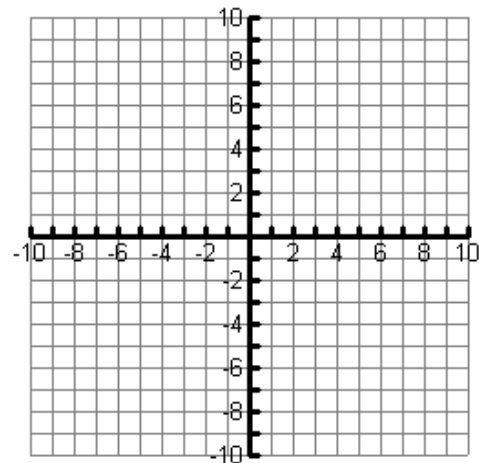
$$8. \quad f(x) = \begin{cases} -x, & x \leq 0 \\ 2x - 2, & x > 0 \end{cases}$$



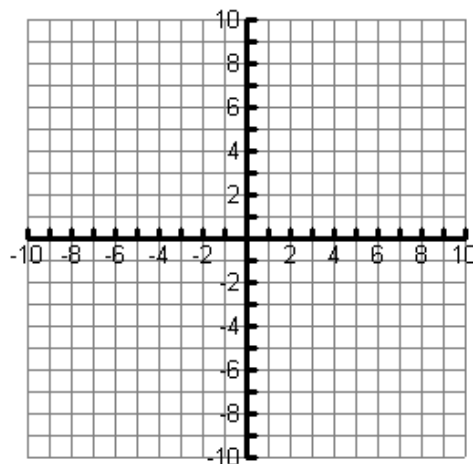
$$9. \quad f(x) = \begin{cases} -x - 4, & x < -2 \\ -\frac{1}{2}x, & -2 \leq x \leq 2 \\ -1, & x > 2 \end{cases}$$



$$10. \quad f(x) = \begin{cases} 3, & x < -1 \\ x + 1, & 1 \leq x \leq 4 \end{cases}$$



$$11. \quad f(x) = \begin{cases} \frac{1}{2}x - 1, & x \neq 4 \\ 3, & x = 4 \end{cases}$$



$$12. \quad f(x) = \begin{cases} x + 4, & -6 \leq x < 2 \\ -6, & x = 2 \\ -x + 2, & x > 2 \end{cases}$$

