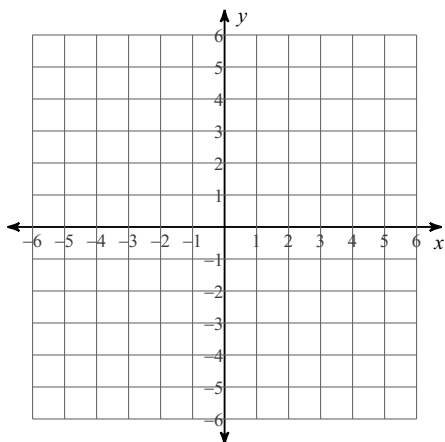


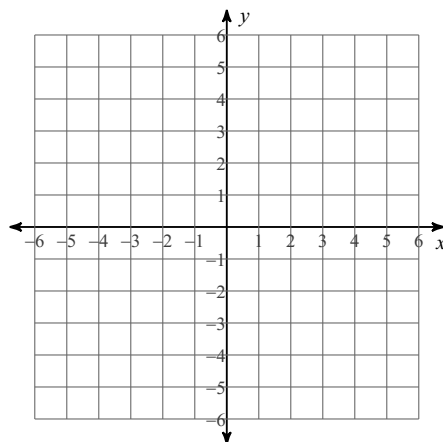
Absolute Value Functions

Graph each equation, then give its vertex and range.

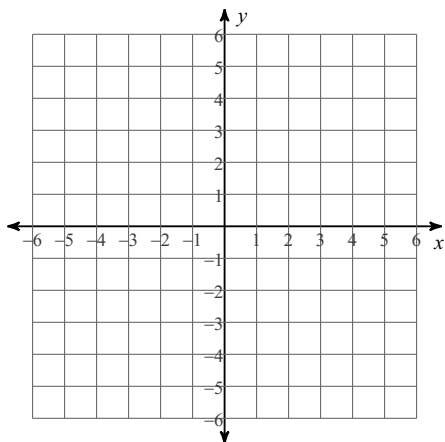
1) $y = -|x| + 1$



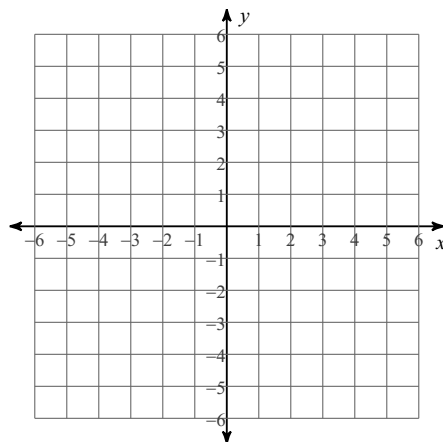
2) $y = |x - 1|$



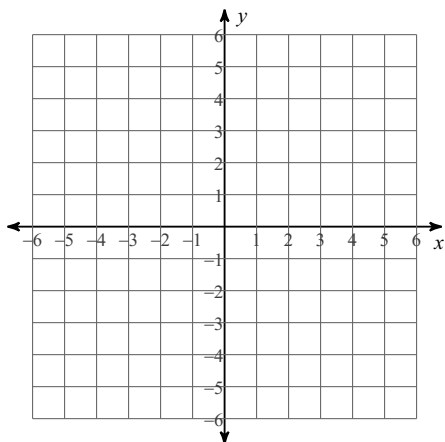
3) $y = |x| + 3$



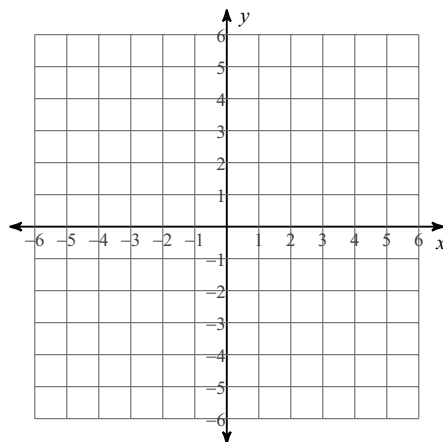
4) $y = |x + 1| - 3$



5) $y = |x - 4| - 3$



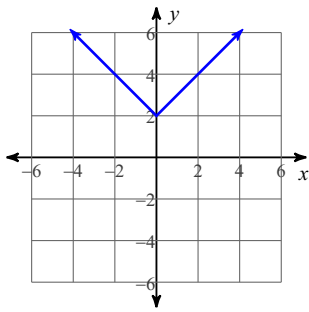
6) $y = -|x + 2| - 1$



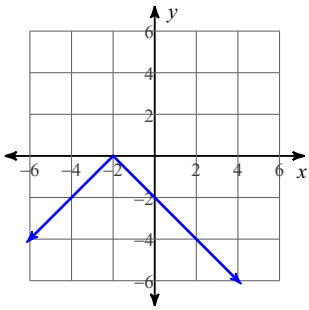
Match each equation to its graph.

7) $y = |x| + 2$

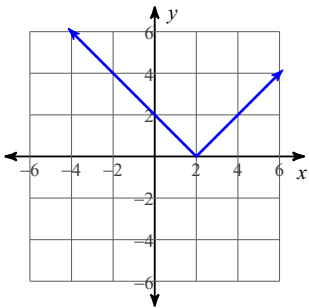
A)



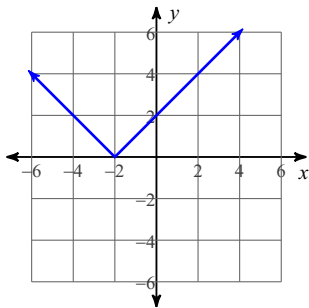
B)



C)

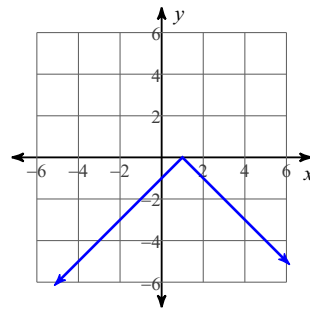


D)

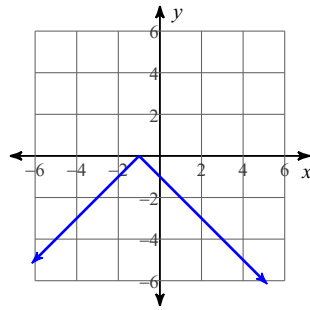


8) $y = |x + 1|$

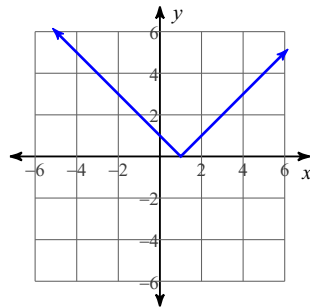
A)



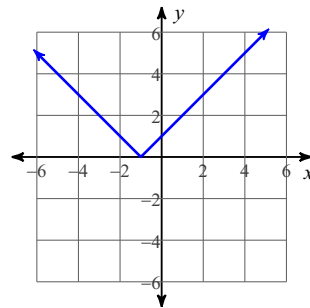
B)



C)

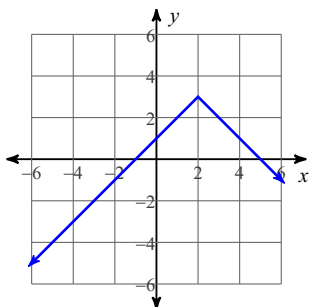


D)

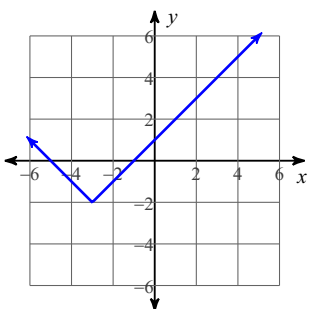


9) $y = |x + 3| - 2$

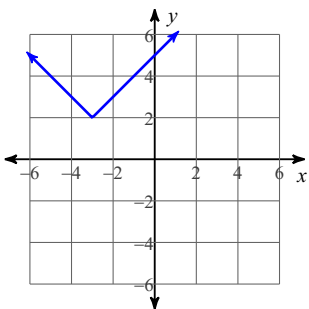
A)



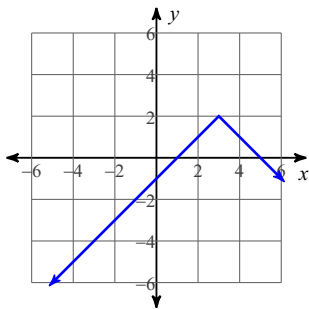
B)



C)

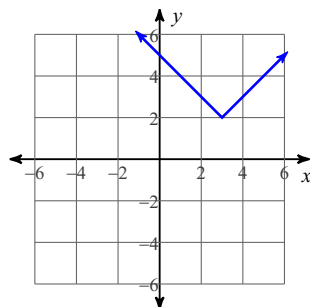


D)

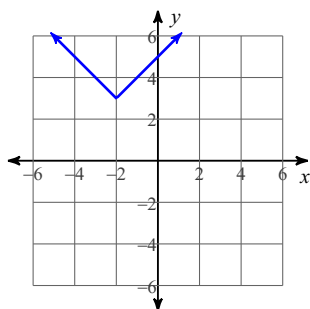


10) $y = |x - 3| - 2$

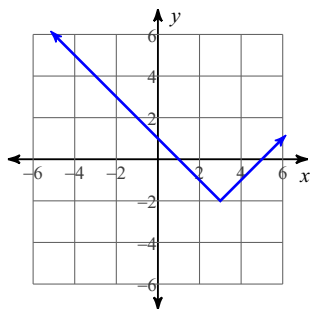
A)



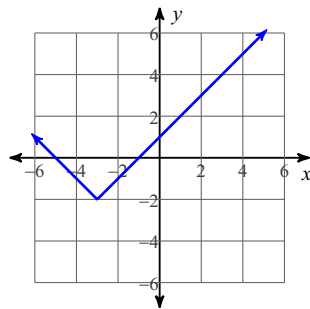
B)



C)

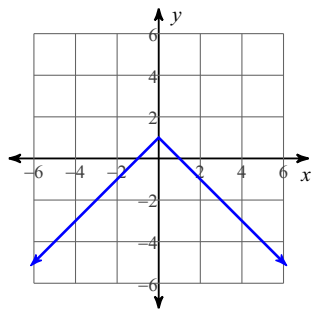


D)

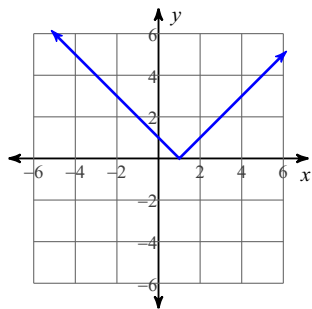


Answers to Absolute Value Functions

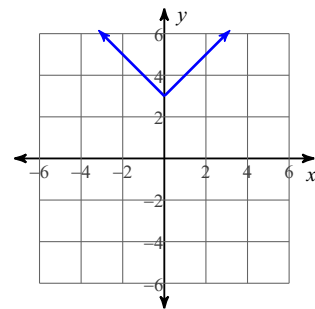
1)



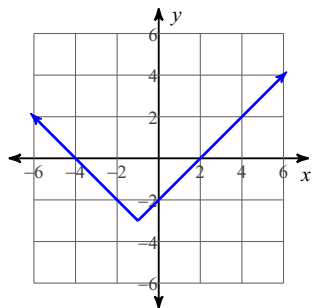
2)



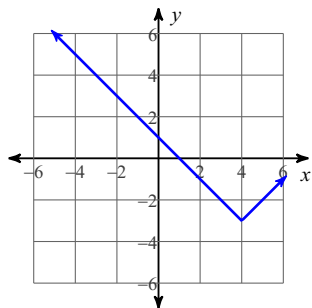
3)



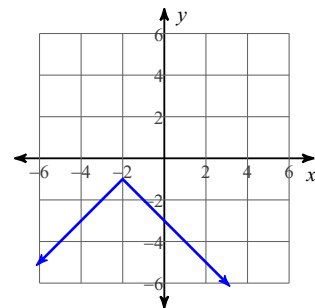
4)



5)



6)



7) A

8) D

9) B

10) C