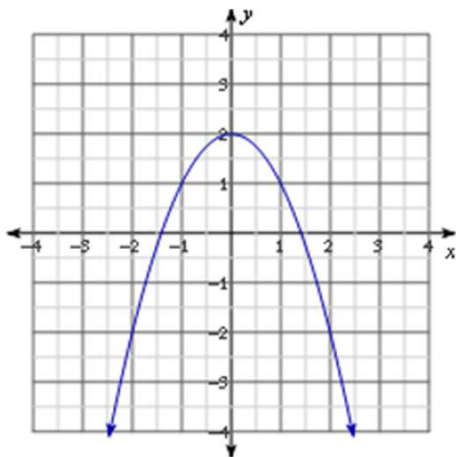# Discriminant

Based on the graph of each quadratic function, $y = f(x)$, determins the number of real solutions for each corresponding quadratic equation and whether the discriminant, D is < 0, $= 0$ or > 0.
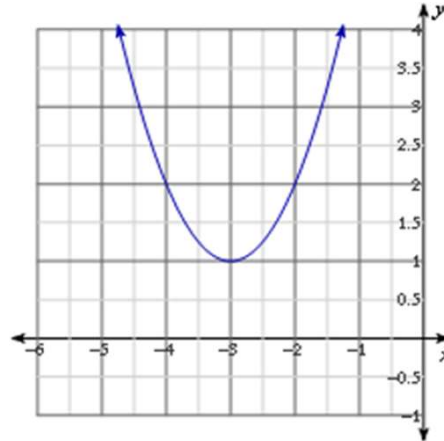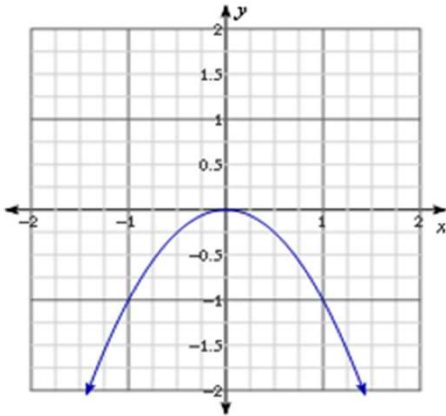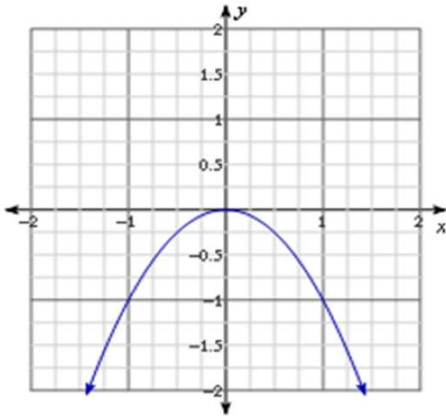
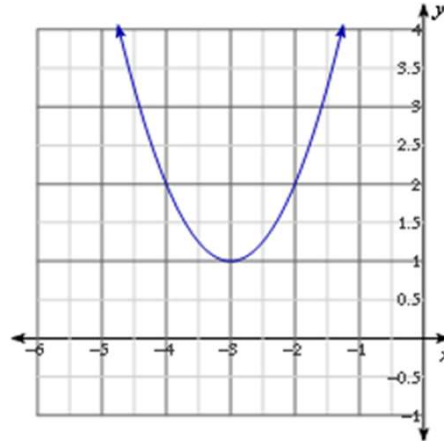# Discriminant

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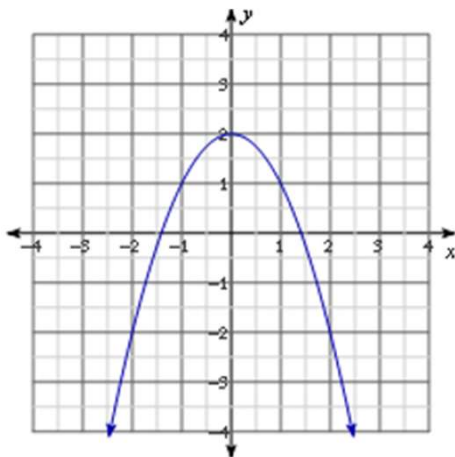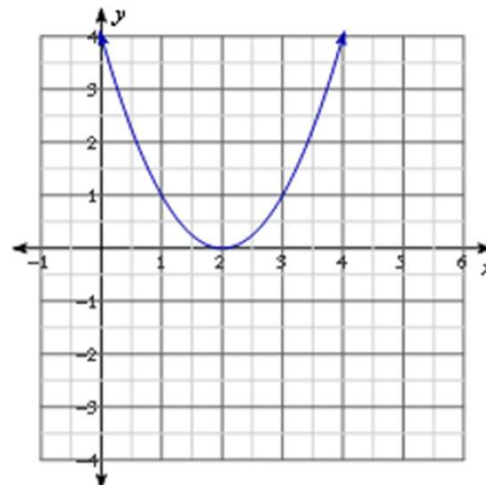

One real solution

D = 0

No real solutions

D < 0

Two real solutions

D > 0

One real solution

D = 0

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