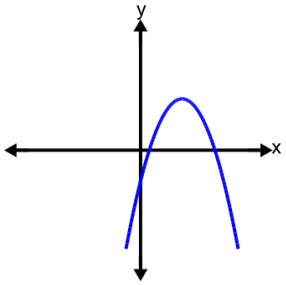
Name

Quadratic Discriminants - Graph to Root Example

1 Which root(s) would be valid for this quadratic function?

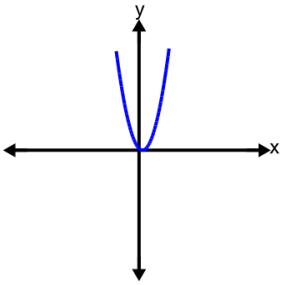


A $x = 0.84$, $x = 7.16$

B $x = 4.4$

C $x = \frac{5.6 \pm i\sqrt{6.3}}{5}$

2 Which root(s) would be valid for this quadratic function?

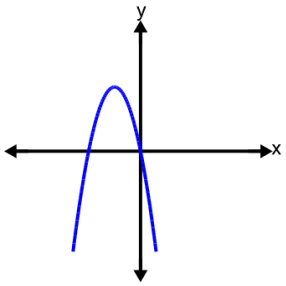


A $x = 1.8$, $x = 3.1$

B $x = 0.33$

C $x = \frac{6 \pm i\sqrt{7.1}}{2.4}$

3 Which root(s) would be valid for this quadratic function?

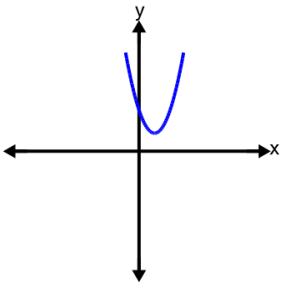


A $x = -5$, $x = -0$

B $x = 6.2$

C $x = \frac{8.3 \pm i\sqrt{5.1}}{7.9}$

4 Which root(s) would be valid for this quadratic function?

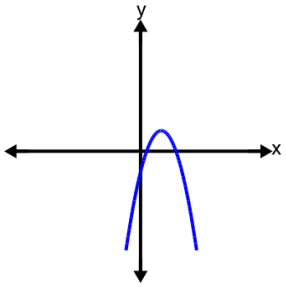


A $x = 4.2$, $x = 3.1$

B $x = 9.4$

C $x = \frac{3 \pm i\sqrt{7}}{2}$

5 Which root(s) would be valid for this quadratic function?

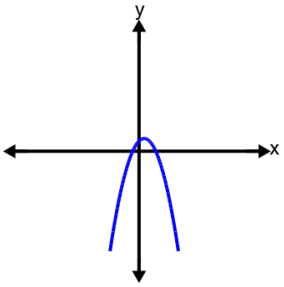


A $x = 0.59$, $x = 3.41$

B $x = 1.2$

C $x = \frac{3.8 \pm i\sqrt{4.9}}{5.5}$

6 Which root(s) would be valid for this quadratic function?

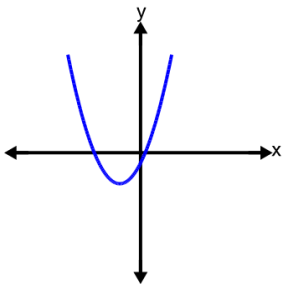


A $x = -0.62$, $x = 1.62$

B $x = 9.2$

C $x = \frac{2.4 \pm i\sqrt{9.8}}{4.4}$

7 Which root(s) would be valid for this quadratic function?

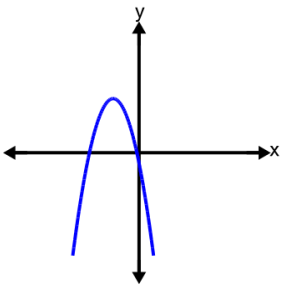


A $x = 0.45$, $x = -4.45$

B $x = 6.3$

C $x = \frac{9.3 \pm i\sqrt{7.2}}{8.4}$

8 Which root(s) would be valid for this quadratic function?



A $x = -4.79$, $x = -0.21$

B $x = 7$

C $x = \frac{6.1 \pm i\sqrt{7.9}}{5.4}$