

**Determine zeros of a function****1**

Find the x intercept of this function by setting y to zero and solving

$$20x + 4y = -40$$

A -8	B -12	C 1
D -2	E -7	F -10

2

Find the x intercept of this function by setting y to zero and solving

$$-10x + 2y = -7.6$$

A 0.8	B 1.5	C 2.3
D -0.8	E -1.5	F 3

3

Find the x intercept of this function

$$y = -6x - 6$$

A -1	B -2	C -8
D 5	E -9	F 8

4

Find the x intercept of this function

$$y = -5x + 5.6$$

A 2.6	B 0.4	C 1.1
D -1.2	E 1.9	F 4.2

5

What roots (solutions) would this quadratic equation have?

$$y = 3x^2 + 3x$$

A $x = 0$ $x = -1$	B $x = -6$ $x = 5$
C $x = -5$ $x = 5$	D $x = 3$ $x = 3$

6

What roots (solutions) would this quadratic equation have?

$$y = -5x^2 + 3x + 4$$

A $x = -5.14$ $x = 2.33$	B $x = -1.74$ $x = 1$
C $x = -0.64$ $x = 1.24$	D $x = 3.74$ $x = 2.13$

**Determine zeros of a function****7**

Find the x intercept of this function by setting y to zero and solving

$$-24x - 6y = 24$$

A 6	B -3	C 1
D -1	E -10	F 3

8

Find the x intercept of this function by setting y to zero and solving

$$4x + 1y = -1.7$$

A 0.3	B -1.2	C -2.7
D 1.1	E -0.4	F 1.9

9

Find the x intercept of this function

$$y = -1x - 2$$

A -11	B -8	C 6
D 4	E -2	F -6

10

Find the x intercept of this function

$$y = -1x - 0.2$$

A -2.5	B 0.6	C -0.2
D 1.3	E -1.7	F -3.2

11

What roots (solutions) would this quadratic equation have?

$$y = x^2 - 3x - 4$$

A $x = 4$ $x = -1$	B $x = -5$ $x = -4$
C $x = -3$ $x = -2$	D $x = -2$ $x = 0$

12

What roots (solutions) would this quadratic equation have?

$$y = 4x^2 + 2x - 1$$

A $x = 0.31$ $x = -0.81$	B $x = -0.79$ $x = -5.23$
C $x = -5.88$ $x = -1.4$	D $x = -1.14$ $x = -6$