

What Do You Call It When Somebody Spends 20 Years in the 24th Row of a Theater?

Solve each equation below using the quadratic formula. Find the solution set at the bottom of the page and print the letter of the exercise above it.

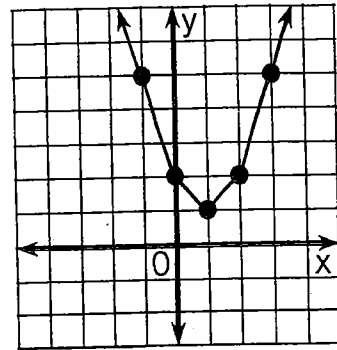
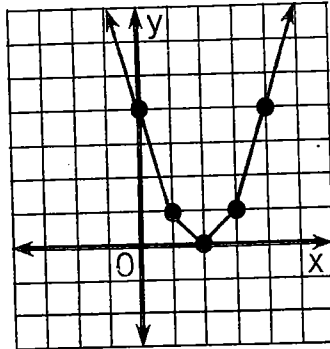
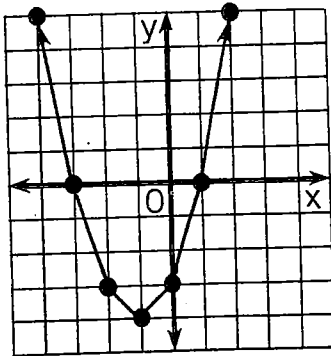
- I $2x^2 - 7x + 5 = 0$ L $x^2 - 6x + 4 = 0$
 N $2x^2 + x - 6 = 0$ L $t^2 + 4t - 2 = 0$
 S $3n^2 - 2n - 5 = 0$ N $3x^2 + 10x + 5 = 0$
 A $w^2 + 7w + 4 = 0$ V $4x^2 - 3x = 1$
 I $5x^2 + 3x - 3 = 0$ L $2d^2 + 4 = 5d$
 G $6x^2 - x = 2$ X $2x = 7 - x^2$
 E $2y^2 + 2 = 9y$ I $y^2 + 9 = -9y$



$\left\{ \frac{-4 \pm \sqrt{24}}{2} \right\}$	$\left\{ \frac{-3 \pm \sqrt{69}}{10} \right\}$	$\left\{ 1, -\frac{1}{4} \right\}$	$\left\{ \frac{6 \pm \sqrt{20}}{2} \right\}$	$\left\{ \frac{2}{3}, -2 \right\}$	$\left\{ \frac{2}{1}, \frac{3}{2} \right\}$	$\{-1 \pm \sqrt{45}\}$	$\left\{ \frac{5}{1}, \frac{2}{1} \right\}$	$\left\{ -10 \pm \sqrt{40} \right\}$	$\left\{ \frac{-9 \pm \sqrt{30}}{2} \right\}$	$\{-1 \pm \sqrt{8}\}$	$\left\{ 2, -\frac{2}{3} \right\}$	$\left\{ \frac{-7 \pm \sqrt{33}}{2} \right\}$	$\left\{ \frac{-9 \pm \sqrt{45}}{2} \right\}$	$\left\{ \frac{3}{5}, -1 \right\}$	no solution	$\left\{ \frac{9 \pm \sqrt{65}}{4} \right\}$
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How Can You Help Control Soil Erosion?

Use the related graph or the discriminant of each equation to determine how many real-number solutions it has. Circle the letter of the correct choice and write this letter in the box containing the exercise number.



- ① $x^2 + 2x - 3 = 0$
 (D) two solutions
 (E) one solution
 (M) no solutions

- ② $x^2 - 4x + 4 = 0$
 (C) two solutions
 (A) one solution
 (W) no solutions

- ③ $x^2 - 2x + 2 = 0$
 (H) two solutions
 (D) one solution
 (O) no solutions

	two solutions	one solution	no solutions
④ $x^2 + 5x + 4 = 0$	K	B	G
⑤ $x^2 - 3x = 2$	U	O	A
⑥ $y^2 + 10y + 25 = 0$	V	A	I
⑦ $2x^2 = 4x - 3$	F	C	H
⑧ $4x^2 + 9 = 12x$	S	P	N
⑨ $-3n^2 + 5n - 2 = 0$	N	R	S
⑩ $\frac{1}{2}x^2 + 3x + 8 = 0$	R	P	L
⑪ $\frac{1}{3}t^2 + 3 = 2t$	Y	B	T
	7	3	10
	1	5	8
	2	11	6
	9	4	

OBJECTIVE 4-f: To use the related graph or the discriminant of a equation to determine how many real-number solutions it has.