

Quadratic Equations Practice

Name:	Class:	Date:						
Solve the following quadratic equations using the appropriate method (factoring, quadratic formula). Show all your work.								
Open Ended Questions								
1. Solve the quadra	tic equation by fact	oring:						
2. Solve the quadra	tic equation using t	he quadratic formula:						
3. Solve the quadra	tic equation by fact	oring:						
4. Solve the quadra	tic equation using t	he quadratic formula:						
5. Solve the quadra	tic equation by fact	oring:						
6. Solve the quadra	tic equation using t	he quadratic formula:						
Multiple Choice Questic 1. Solve the quadra a) b) c)								
2. Solve the quadra a)b)	tic equation using t	he quadratic formula:						

c) d)	
3. Solve the quadratic ed a) b) c) d)	uation by factoring:
4. Solve the quadratic ed a) b) c) d)	uation using the quadratic formula:
5. Solve the quadratic ed a) b) c) d)	uation by factoring:
a)	uation using the quadratic formula: ons Practice - Answers
Name:	Class: Date:
• .	ratic equations using the appropriate method nula). Show all your work.
and add to -5. These nur as: Setting each fac 2. Solve the quadratic ed	quation by factoring: quation , we look for two numbers that multiply to 6 nbers are -2 and -3. Thus, we can write the equation tor to zero gives us the solutions: and quation using the quadratic formula:





square root:, which further simplifies to Thus, This gives us two
solutions: and
3. Solve the quadratic equation by factoring:
To factor the quadratic equation, we look for two numbers that multiply to 4
and add to 4. These numbers are 2 and 2. Thus, we can write the equation as:
Setting each factor to zero gives us the solution:
4. Solve the quadratic equation using the quadratic formula:
The quadratic formula is given by For the equation, we have,, and
Plugging these values into the formula, we get: Simplifying inside the
square root:, which further simplifies to Thus, This gives us the
solution:
5. Solve the quadratic equation by factoring:
To factor the quadratic equation, we look for two numbers that multiply to
-12 and add to -1. These numbers are -4 and 3. Thus, we can write the equation
as: Setting each factor to zero gives us the solutions: and
6. Solve the quadratic equation using the quadratic formula:
The quadratic formula is given by For the equation, we have,, and
square root:, which further simplifies to Thus, This gives us two
solutions: and
Multiple Choice Questions
1. Solve the quadratic equation:
a)
<u>b)</u>
c)
d)
2. Solve the quadratic equation using the quadratic formula:
a)
<u>b)</u>
d)
3. Solve the quadratic equation by factoring:
<u>a)</u>
b)
c) d)



4.	Solve the	quadratic	equation	using the	quadratic	formula:
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- <u>a)</u>......
- b)
- c)
- d)
- 5. Solve the quadratic equation by factoring:
- <u>a)</u>.....
- b)
- c)
- d)
- 6. Solve the quadratic equation using the quadratic formula:
- <u>a)</u>.....
- b)
- c)
- d)