

Radical Equations & Inequalities: Exam Revision Tracker

Attempt #1		Attempt #2		Attempt #3		Attempt #4		Attempt #5	
Total	Score	Total	Score	Total	Score	Total	Score	Total	Score
11		7		8		9		8	
Percentage =		Percentage =		Percentage =		Percentage =		Percentage =	

Radical Equations & Inequalities: Attempt #1

Total = 11 Marks

1. Solve for x :
 - 1.1 $\sqrt{x-1} + 1 = x$ (5)
2. Given: $f(x) = x^2 + 3x - 4$
 - 2.1 Solve for x if $f(x) = 0$ (2)
 - 2.2 Solve for x if $f(x) < 0$ (2)
 - 2.3 Determine the values of x for which $f'(x) \geq 0$ (2)

Radical Equations & Inequalities: Attempt #2

Total = 7 Marks

1. Solve for x :
 - 1.1 $4x^2 - 1 < 0$ (3)
 - 1.2 $\left(\sqrt{\sqrt{32}+x}\right)\left(\sqrt{\sqrt{32}-x}\right) = x$ (4)

Radical Equations & Inequalities: Attempt #3

Total = 8 Marks

1. Solve for x :
 - 1.1 $(1-x)(x+2) < 0$ (3)
 - 1.2 $\sqrt{x+18} = x-2$ (5)

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Radical Equations & Inequalities: Attempt #4 ⚡

Total = 9 Marks

1. Solve for x :

1.1 $15x - 4 < 9x^2$ (4)

1.2 $\sqrt{2x-2} - \sqrt{7-2x} = 1$ (5)

Radical Equations & Inequalities: Attempt #5 ⚡

Total = 8 Marks

1. Solve for x :

1.1 $(x-1)(x+4) \geq 6$ (3)

1.2 $\sqrt{x-2} + 3 = \frac{10}{\sqrt{x-2}}$ (5)

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