

Solving Radical Equations

Block: ____ Mark Out Of 24 ____

Solve each equation. Remember to check for extraneous solutions. 3 marks each.

1) $m = \sqrt{-100 + 20m}$

2) $6 = \sqrt{4x}$

3) $\sqrt{5n + 1} = \sqrt{7n - 1}$

4) $\sqrt{4a - 7} = a - 1$

$$5) 11 = 9 + \sqrt{k-8}$$

$$6) \sqrt{x+6} = x-6$$

$$7) -3 + \sqrt{2v+2} = \sqrt{8-v}$$

$$8) n = 5 + \sqrt{13-3n}$$