

P2

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③ i) $x^2 + 10x + 21 = 0$
 $(x+3)(x+7) = 0$
 $x+3=0$ or $x+7=0$
 $x = -3$
 $x = -7$

ii) $x^2 - 3x + 2 = 0$
 $(x-2)(x-1) = 0$
 $x-2=0$ or $x-1=0$
 $x = 2$
 $x = 1$

iii) $x^2 + 12x + 20 = 0$
 $(x+2)(x+10) = 0$
 $x+2=0$ or $x+10=0$
 $x = -2$
 $x = -10$

iv) $x^2 - 64 = 0$
 $(x-8)(x+8) = 0$
 $x = -8$
 $x = +8$

v) $2x^2 + 9x + 10 = 0$
 $(x+2)(2x+5) = 0$
 $x+2=0$ or $2x+5=0$
 $x = -2$ or $2x = -5$
 $x = -\frac{5}{2}$