

# Math 1303 - Math in the Liberal Arts

Quiz #14 - 2005.11.21

Solutions

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1. Factor  $8x^2 - 22x + 15$

$$8x^2 - 22x + 15 = (2x - 3)(4x - 5)$$

2. Solve  $x^2 + 4x - 32 = 0$  for  $x$ .

$$x^2 + 4x - 32 = (x - 4)(x + 8) = 0$$

Thus  $x = 4$  and  $x = -8$  are solutions.