

Instructions: There will be 10 questions taken from the following four groups. The test WILL NOT tell you the technique to use, that is up to you to decide.

1. Factor using difference of two squares and grouping:

$(3x - a)(2x - b)$	$(3x + 4)(3x - 4)$
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2. Factor using the PSD method:

$(x - 20)(x + 4)$	$(x + 30)(x + 4)$
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3. Factor using the Key Number method:

$(3x - 2)(10x - 1)$	$(9x - 2)(x - 3)$
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4. Solve the equation using the zero factor property:

$x = -10,8$	$x = \frac{1}{3}, \frac{2}{5}$
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