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| Name | Date | Class 9 _____ | # |
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WORKSHEET 1.3B SOLVING BY FACTORISATION AND QUADRATIC FORMULA

1. Solve these equations by factorisation.

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|-------------------------|-------------------|--------------------|
| a) $x^2 + 2x - 3 = 0$ | b) $x^2 = x$ | c) $x^2 + 4x = 32$ |
| d) $3x^2 - 10x - 8 = 0$ | e) $2x^2 - 8 = 0$ | f) $3x^2 - 27 = 0$ |

2 Use the formula to solve the equations. Give your answers correct to 2 decimal places.

| | | |
|-------------------------|-------------------------|------------------------|
| a) $x^2 + 8x + 6 = 0$ | b) $2x^2 - 2x - 3 = 0$ | c) $3x^2 + 5x - 1 = 0$ |
| d) $5x^2 - 12x + 5 = 0$ | e) $5x^2 - 13x + 7 = 0$ | f) $5x^2 + 9x + 3 = 0$ |

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| Excellent work. Well done | |
| Very Good | |
| Good Effort, Keep Trying | |
| Fair, Needs Improvement | |
| Unsatisfactory Effort, Pay More Attention | |
| Incomplete Work | |
| Late Work | |
| Do Corrections | |

Teacher's Signature:

Date Marked:

SCORE