

Name: _____

M\$3A Homework 11

<p>1. Solve: $x^2 + 3x - 54 = 0$</p>	<p>6. Solve: $\frac{x+2}{2} = \frac{12}{x}$</p>	<p>1. _____</p>
<p>2. Solve: $x^2 - 25 = 0$</p>	<p>7. If one factor of $56x^4y^3 - 42x^2y^6$ is $14x^2y^3$, what is the other factor? (1) $4x^2 - 3y^3$ (3) $4x^2y - 3xy^3$ (2) $4x^2 - 3y^2$ (4) $4x^2y - 3xy^2$</p>	<p>2. _____</p> <p>3. _____</p>
<p>3. Solve: $x(x - 2) = 35$</p>	<p>8. Solve: $x(6 - x) = 5$</p>	<p>4. _____</p> <p>5. _____</p>
<p>4. Solve: $x^2 + 9x = 10$</p>	<p>9. Solve: $x^2 + 22 = 13x$</p>	<p>6. _____</p> <p>7. _____</p>
<p>5. Solve: $x^2 + 3x = 0$</p>	<p>10. What is a common factor of $3x^2y - 6xy$ and $x^2 + 8x - 20$? (1) $x + 10$ (3) x^2 (2) $3xy$ (4) $x - 2$</p>	<p>8. _____</p> <p>9. _____</p> <p>10. _____</p>

11. Factor: $25x^2y^6 - z^{50}$	13. Solve: $x^2 = -x$
12. Solve for x : $4ax + 8a^2b = xa - a^2b$	14. Solve for x : $\frac{5}{x} - \frac{4}{x} = t$
15. Solve: $\frac{1}{2}a^2 + \frac{4}{5}a - \frac{2}{5} = 0$	
16. Solve: $\frac{5w - 2}{8} = \frac{2}{w}$	
17. Solve: $96y^2 + 32y - 30 = 0$	

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