

<p>1. Multiply: $(a - 3)(a + 5)$</p>	<p>6. Express as the product of two binomials: $x^2 - 5x + 6$</p>	<p>1. _____</p>
<p>2. Factor: $x^2 - 49$</p>	<p>7. Solve for all values of x: $x^2 + 5x - 14 = 0$</p>	<p>2. _____</p> <p>3. _____</p>
<p>3. Factor: $2y^2 - 8y$</p>	<p>8. Factor: $16p^4x - 4px$</p>	<p>4. _____</p> <p>5. _____</p>
<p>4. Factor completely: $2x^2 + 10x - 12$</p>	<p>9. Solve for all values of x: $x^2 + 8x = 0$</p>	<p>6. _____</p> <p>7. _____</p>
<p>5. Factor completely: $3x^2 - 27$</p>	<p>10. Factor completely: $y^3 - y^2 - 6y$</p>	<p>8. _____</p> <p>9. _____</p> <p>10. _____</p>

<p>11. Multiply: $(4k - 3)(2k + 6)$</p>	<p>What is a common factor of $x^2 - 25$ and $x^2 - x - 20$?</p> <p>16. (1) $x - 5$ (3) x^2 (2) $x - 4$ (4) $x + 4$</p>	<p>11. _____</p> <p>12. _____</p>
<p>12. Factor: $x^2 + 10x - 11$</p>	<p>This marking period, Jenny has received the following test scores: 76, 73, 74, and 81. What is the minimum score she must earn on the fifth test to have a test average of exactly 80?</p> <p>17. (1) 87 (3) 96 (2) 92 (4) 98</p>	<p>13. _____</p> <p>14. _____</p>
<p>13. Solve for all values of x: $x^2 - 3x = 4$</p>	<p>18. Simplify: $\frac{4d^3w}{2dw^2}$</p>	<p>15. _____</p> <p>16. _____</p>
<p>The greatest common factor of $12x^2y^3$ and $24xy^2$ is</p> <p>14. (1) $6xy$ (3) $12xy^2$ (2) $24xy^2$ (4) $2xy$</p>	<p>19. Which equation can be used to solve the problem below? If four times a number is increased by 15, the result is three less than six times the number. Find the number.</p> <p>(1) $4(x + 15) = 6x - 3$ (3) $4x + 15 = 6x - 3$ (2) $4x + 15 = 6(x - 3)$ (4) $4x + 15 = 3 - 6x$</p>	<p>17. _____</p> <p>18. _____</p>
<p>15. Solve for x: $3(x - 2) + 5 = 2(5x - 4)$</p>	<p>20. Solve for L: $P = 2L + 2W$</p>	<p>19. _____</p> <p>20. _____</p>