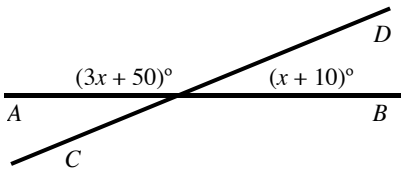


<p>1. Express as a trinomial: <math>(x + 3)(x + 7)</math></p>	<p>6. Factor: <math>x^2 - 144</math></p>
<p>2. Express as a trinomial: <math>(x - 6)(x + 1)</math></p>	<p>7. Factor: <math>x^2 - y^2</math></p>
<p>3. Express as a trinomial: <math>(x - 5)(x - 6)</math></p>	<p>8. Factor: <math>25x^2 - 9</math></p>
<p>4. Express as a trinomial: <math>(2x - 1)(x - 6)</math></p>	<p>Which expression is a factor of <math>x^2 - 81</math>?</p> <p>9. (1) <math>x - 81</math>                      (2) <math>x + 9</math>  (3) <math>x - 18</math>                        (4) <math>x + 18</math></p>
<p>5. Express as a trinomial: <math>(x - 7)(x - 10)</math></p>	<p>10. Factor: <math>100a^{10} - 9b^{20}</math></p>

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<p>11. Find the product of <math>6x - 2</math> and <math>4x + 3</math>.</p>	<p>The adjacent angles formed by  16. intersecting lines <math>\overleftrightarrow{AB}</math> and <math>\overleftrightarrow{CD}</math> have measures of <math>3x + 50</math> and <math>x + 10</math>. Find <math>x</math>.</p> 
<p>12. Factor: <math>4x^2y^4 - 25</math></p>	<p>17. Solve: <math>\frac{4x - 3}{2} = \frac{x + 1}{3}</math></p>
<p>13. Express as a trinomial: <math>(x - 2)^2</math></p>	<p>18. If the sales tax on \$150 is \$7.50, what is the percent of the sales tax?</p>
<p>14. Which monomial is equivalent to <math>(7x^4)^2</math>?</p> <p>(1) <math>49x^6</math>                      (3) <math>14x^6</math>  (2) <math>49x^8</math>                      (4) <math>14x^8</math></p>	<p>19. Express as a trinomial: <math>(2p - 4)(3p + 8)</math></p>
<p>15. Simplify and express the answer using only positive exponents: <math>\frac{-5b^2x}{5bx^4}</math></p>	<p>20. Multiply: <math>(k - 4)(k + 4)</math></p>

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