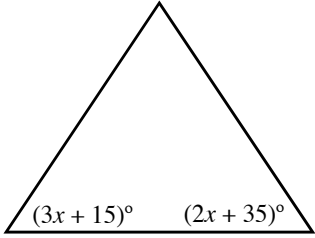
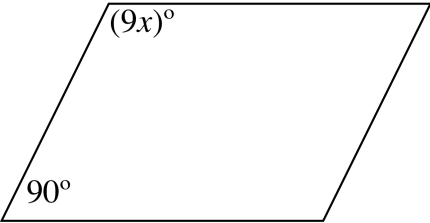


<p>1. Factor completely: <math>4x^2 - 4</math></p>	<p>6. Factor completely: <math>x^2y + 2xy - 8y</math></p>
<p>2. Factor completely: <math>2a^2 - 2b^2</math></p>	<p>7. Factor completely: <math>4x^2 - 24x - 28</math></p>
<p>3. Factor completely: <math>2q^2 - 8q - 10</math></p>	<p>8. Evaluate <math>2p^2 - 5a</math> if <math>a = -2</math> and <math>p = -3</math>.</p>
<p>4. Factor completely: <math>4a^2 - 36</math></p>	<p>9. If 3 times a number is increased by 12, the result is the same as twice the number increased by 24. Find the number.</p>
<p>5. Factor completely: <math>3x^2 + 18x - 48</math></p>	<p>10. Find the value of <math>x</math> in the isosceles triangle below.</p> 

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

<p>11. Multiply: <math>(x - 10)(x - 3)</math></p>	<p>16. Solve: <math>3x + 3 = 15 + 9x</math></p>
<p>12. Factor: <math>c^2 - 14c + 40</math></p>	<p>If <math>n + 1</math> is an even integer, which expression must be an odd integer?</p> <p>17. (1) <math>n - 1</math> (3) <math>2n - 1</math>  (2) <math>n + 3</math> (4) <math>3n - 1</math></p>
<p>13. What is the difference when <math>3x^2 - 5x + 1</math> is subtracted from <math>x^2 + x</math>?</p> <p>(1) <math>2x^2 - 6x + 1</math> (3) <math>-(4x^2 - 4x + 1)</math>  (2) <math>-(2x^2 - 6x + 1)</math> (4) <math>4x^2 - 6x + 1</math></p>	<p>18. Simplify and write the answer using only positive exponents: <math>\frac{4x^2yz^4}{3zxy^2}</math></p>
<p>14. Which expression is undefined if <math>x = 2</math>?</p> <p>(1) <math>\frac{2}{x-2}</math> (3) <math>\frac{x-2}{2}</math>  (2) <math>\frac{2}{x}</math> (4) <math>(x-2)(x+2)</math></p>	<p>19. Solve for <math>x</math>: <math>7y - 2x = 6x - y</math></p>
<p>15. Find the value of <math>x</math> in the parallelogram below.</p> 	<p>20. Solve: <math>-4(x + 1) &gt; -16</math></p>

- 11. \_\_\_\_\_
- 12. \_\_\_\_\_
- 13. \_\_\_\_\_
- 14. \_\_\_\_\_
- 15. \_\_\_\_\_
- 16. \_\_\_\_\_
- 17. \_\_\_\_\_
- 18. \_\_\_\_\_
- 19. \_\_\_\_\_
- 20. \_\_\_\_\_