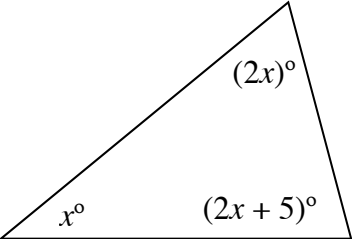


<p>Which of the following represents the total cost of x shirts bought at a cost of</p> <p>1. $(x + 5)$ dollars each? (1) $(x + 5)$ dollars (3) $x(x + 5)$ dollars (2) $x + (x + 5)$ dollars (4) $x^2 + 5$ dollars</p>	<p>6. Factor : $9b^2 + 17b$</p>	<p>1. _____ 2. _____</p>										
<p>2. Factor : $8n - 72$</p>	<p>7. Factor : $3cx - 9cx^2 + 3c$</p>	<p>3. _____ 4. _____</p>										
<p>3. Factor : $x^2 - 100$</p>	<p>8. If x and y are defined as indicated by the accompanying table, which equation correctly represents the relationship between x and y?</p> <table border="1" data-bbox="781 1010 987 1157"> <tbody> <tr> <td>x</td> <td>y</td> </tr> <tr> <td>-1</td> <td>0</td> </tr> <tr> <td>1</td> <td>6</td> </tr> <tr> <td>3</td> <td>12</td> </tr> <tr> <td>6</td> <td>21</td> </tr> </tbody> </table> <p>(1) $y = -3x - 3$ (2) $y = 3x + 3$ (3) $y = 3x^2 - 3$ (4) $y = 3^x - 3$</p>	x	y	-1	0	1	6	3	12	6	21	<p>5. _____ 6. _____</p>
x	y											
-1	0											
1	6											
3	12											
6	21											
<p>4. Factor : $12r^2 + 18r$</p>	<p>9. Factor : $k^2 + 4k + 4$</p>	<p>7. _____ 8. _____</p>										
<p>5. Factor : $6x^2 - 36x + 12$</p>	<p>10. Factor : $24c^2d + 18c^2d^2 + 12cd^2$</p>	<p>9. _____ 10. _____</p>										

<p>11. Solve: $20 - 5x + 5 > 60$</p>	<p>16. Simplify: $(x^2 + 2x - 3) - (x^2 - 4)$</p>
<p>12. Factor: $40p^3 - 10p^2 + 5p$</p>	<p>17. Factor: $9c^2 - 25$</p>
<p>13. Evaluate $\frac{4x - 5y}{-7z}$ if $x = -1$, $y = 2$, and $z = 1$.</p>	<p>The product of 4 and a number is the 18. same as 2 less than twice a number. Find the number.</p>
<p>14. Simplify: $\frac{20c^5}{10c^3}$</p>	<p>19. Solve for d: $8d + 9x = -2d - x$</p>
<p>15. Find the value of x.</p> 	<p>20. Express as a single fraction: $9x + \frac{3}{8}$</p>

11.

12.

13.

14.

15.

16.

17.

18.

19.

20.
