

Name: \_\_\_\_\_

ME43 Classwork 10

<p>1. Simplify: <math>2x - 8x</math></p>	<p>6. Simplify: <math>9b - (-10b)</math></p>	<p>1. _____</p>
<p>The expression <math>\sqrt{200}</math> is equivalent to</p> <p>2. (1) <math>2\sqrt{10}</math>                      (3) <math>100\sqrt{2}</math>          (2) <math>10\sqrt{2}</math>                        (4) <math>2\sqrt{100}</math></p>	<p>7. From <math>2x^2 + 2x + 5</math> subtract <math>x^2 - 6x + 2</math>.</p>	<p>2. _____</p> <p>3. _____</p>
<p>3. Simplify: <math>4x + 6x^2</math></p>	<p>8. Add: <math display="block">\begin{array}{r} 2y^2 - y + 3 \\ -3y^2 + y - 9 \\ \hline \end{array}</math></p>	<p>4. _____</p> <p>5. _____</p>
<p>4. Simplify: <math>5xy + 3x - 2xy</math></p>	<p>9. Simplify: <math>(-y^2 - y + 6) - (3y^2 + 3y + 7)</math></p>	<p>6. _____</p> <p>7. _____</p>
<p>5. Simplify: <math>-4xy + 4xy</math></p>	<p>10. Solve: <math>\frac{x}{2} = \frac{5}{9}</math></p>	<p>8. _____</p> <p>9. _____</p> <p>10. _____</p>

<p>11. If <math>t = -3</math>, find the numerical value of <math>5 - t^3</math>.</p>	<p>16. Simplify: <math>(x^2 - 2x + 1) + (x^2 + 2x - 1)</math></p>	<p>11. _____</p>
<p>12. Simplify: <math>(x^2 - 4x) + (-2x^2 - 5)</math></p>	<p>17. Subtract <math>b^2 + 2b - 6</math> from <math>-2b^2 + 5b - 2</math>.</p>	<p>12. _____</p>
<p>Which number below is rational?</p> <p>13. (1) <math>\sqrt{60}</math>                      (3) <math>\sqrt{74}</math>  (2) <math>\sqrt{\frac{1}{16}}</math>                      (4) <math>\sqrt{\frac{1}{8}}</math></p>	<p>18. Simplify: <math>20x^2y - 25yx^2</math></p>	<p>13. _____</p>
<p>14. Simplify: <math>-9x - 9x</math></p>	<p>19. Simplify: <math>\frac{p}{2} \cdot \frac{9}{2w}</math></p>	<p>14. _____</p>
<p>15. Simplify: <math>(9x - 9) - (4x - 3)</math></p>	<p>20. Subtract <math>8x^2 - 7x + 4</math> from <math>10x^2 - 2x + 3</math>.</p>	<p>15. _____</p> <p>16. _____</p> <p>17. _____</p> <p>18. _____</p> <p>19. _____</p> <p>20. _____</p>