

MTH 111 Chapter 5 Graded Homework
 Answer Key

<p>5.1 #16</p> $16. \frac{2(x+y) - 2x}{2(y-x)}$ <p>$x = 2, y = 3$</p> <p style="text-align: center;">3</p>	<p>5.1 #18</p> $18. 4x^3 - y^2$ <p>$x = -1, y = 5$</p> <p style="text-align: center;">-29</p>	<p>5.1 #30</p> $30. \left(\frac{x+3y}{z}\right)^2$ <p>$x = -3, y = 4, z = 6$</p> <p style="text-align: center;">$\frac{9}{4}$</p>
<p>5.1 #42</p> $42. \frac{(3x^2 + 2)^2 - y^2}{6 - 3x^2y^2}$ <p>$x = -1, y = 2, z = -3$</p> <p style="text-align: center;">$-\frac{7}{2}$</p>	<p>5.2 #20</p> $20. -(3x+y) - (2z+7w) - (3r-5s+2)$ <p style="text-align: center;">$-3x - y - 2z - 7w - 3r + 5s - 2$</p>	<p>5.2 #34</p> $34. 2.3x^2 - 4.7x + 0.92x^2 - 2.13x$ <p style="text-align: center;">$3.22x^2 - 6.83x$</p>
<p>5.2 #46</p> $46. x - (-x - y) + 2y$ <p style="text-align: center;">$2x + 3y$</p>	<p>5.2 #76</p> $76. 13\left(7x - 2\frac{1}{2}\right) - 9\left(8x + 9\frac{2}{3}\right)$ <p style="text-align: center;">$19x - \frac{239}{2}$</p>	<p>5.4 #58</p> $58. (-2ab^2)^2$ <p style="text-align: center;">$4a^2b^4$</p>
<p>5.4 #66</p> $66. (-ab^2)^2$ <p style="text-align: center;">a^2b^4</p>	<p>5.6 #20</p> $20. (42x^2y^3) \div (-14x^2y^4)$ <p style="text-align: center;">$-\frac{3}{y}$</p>	<p>5.6 #30</p> $30. (-144x^2z^3) \div (216x^5y^2z)$ <p style="text-align: center;">$-\frac{2z^2}{3x^3y^2}$</p>