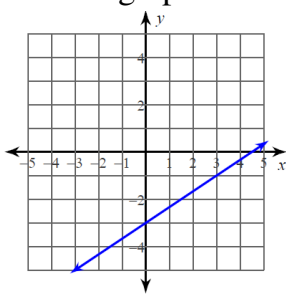
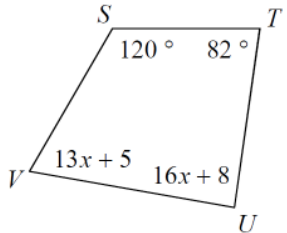
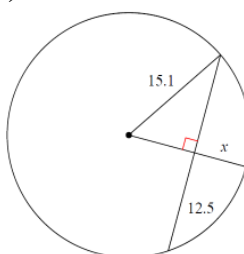
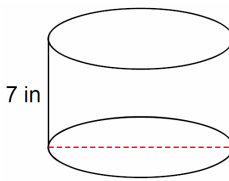
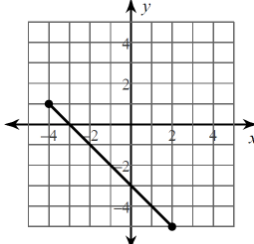
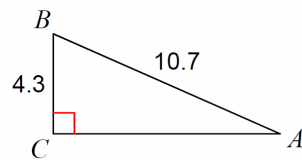


Directions: Complete each Math 1, 2, or 3 problem. Must show work for credit!

<p>1.) Solve inequality & put answer in interval notation:</p> $-8(x+3)+2(-6x-4)\geq 7x+5x$	<p>2.) Given: $f(x)=2x+4$ Find: $f(12)+3f(-5)$</p>	<p>3.) Simplify: $\frac{x^2+2x-48}{2x^2-12x}$</p>												
<p>4.) Write the standard form of the line graphed below:</p> 	<p>5.) Given: Quadrilateral STUV Find: measure angle V</p> 	<p>6.) Solve for x:</p> $x-\sqrt{8x-15}=0$												
<p>7.) George spent \$13.25 on 4 hotdogs and 5 bags of chips. Kong spent \$12.70 on 3 hotdogs and 7 bags of chips. Ben wants 6 hotdogs and 3 bags of chips. How much will Ben have pay?</p>	<p>8.) Simplify completely:</p> $\frac{8x^{-1}(x^3)^{-2}}{2x^4}$	<p>9.) Find value of x:</p> 												
<p>10.) The volume of a cylinder below is 791.7 in^2. What is the diameter of the cylinder?</p> 	<p>11.) What is the length of the line segment below? Keep in simplified radical form.</p> 	<p>12.) $P(x)=x^3+9x^2+8x-60$ with has factors of $(x+5)$ and $(x-2)$. What is its remaining factor?</p>												
<p>13.) What is the mean, median, and mode of data below?</p> <table><tr><th>Age</th><th>Frequency</th></tr><tr><td>12</td><td>1</td></tr><tr><td>13</td><td>2</td></tr><tr><td>14</td><td>1</td></tr><tr><td>17</td><td>4</td></tr><tr><td>18</td><td>2</td></tr></table>	Age	Frequency	12	1	13	2	14	1	17	4	18	2	<p>14.) Link has a jar of colored marbles: 5 blue, 7 yellow, and 9 green. Link selects one and it's yellow but doesn't put it back. What is the probability that Link will select another yellow marble?</p>	<p>15.) What is the measure of angle B to nearest tenth?</p> 
Age	Frequency													
12	1													
13	2													
14	1													
17	4													
18	2													