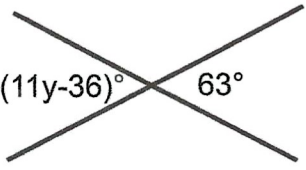


Mixed Review Do Now

<p>1) Which of the following is a <u>rational</u> number?</p> <p>1) π</p> <p>2) $\sqrt{56}$</p> <p>3) $\frac{3}{8}$</p> <p>4) 3.267839612...</p>	<p>2) How many solutions does the equation $5x + 8 = 5x + 4$ have?</p> <p>$\frac{-5x \quad -5x}{8 \neq 4} \rightarrow$ get rid of the variables 1st</p> <p>$8 \neq 4$</p> <p><u>No solutions</u></p>
<p>3) Evaluate: $x^8 \cdot x^1 \cdot x^{-2}$</p> <p>Keep base Add exponents</p> <p>$x^{8+(1+(-2))} = x^7$</p>	<p>4) What is 0.0000467 expressed in scientific notation?</p> <p>Calc: <u>4.67×10^{-5}</u></p> <p>2nd DRO \Rightarrow 52 =</p>
<p>5) What is the value of y in the diagram shown?</p>  <p>Vertical angles are = in measure</p> <p>$11y - 36 = 63$</p> <p>$\frac{+36 \quad +36}{11y = 99}$</p> <p>$\frac{11}{11} = \frac{99}{11}$</p> <p><u>$y = 9$</u></p>	<p>6) Solve for x if $x^3 = 729$</p> <p>Calc: $\sqrt[3]{x^3} = \sqrt[3]{729}$</p> <p><u>$x = 9$</u></p> <p>13 2nd 1</p>
<p>7) Solve for x:</p> <p>$3.2x + 5.7 = 1.7x + 10.2$</p> <p>$\frac{-1.7x \quad -1.7x}{1.5x + 5.7 = 10.2}$</p> <p>$\frac{-5.7 \quad -5.7}{1.5x = 4.5}$</p> <p>$\frac{1.5}{1.5} = \frac{4.5}{1.5}$</p> <p><u>$x = 3$</u></p> <p>D C M S</p>	<p>8) What is the solution to the equation below?</p> <p>$\frac{2}{3}(3x - 6) = 4$</p> <p>$\frac{2x - 4}{+4 \quad +4} = 4$</p> <p>$\frac{2x = 8}{\frac{2}{2} = \frac{8}{2}}$</p> <p><u>$x = 4$</u></p> <p>D C M S</p>