**Mathematics instruction in the CTE programs at MCTI will assume that students are proficient in these middle and junior high school Pennsylvania Common Core Mathematics Standards.**

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| **CC.2.1.6.E.2** |  Identify and choose appropriate processes to compute fluently with multi-digit numbers. |
| **CC.2.3.8.A.1** |  Apply the concepts of volume of cylinders, cones, and spheres to solve real-world and mathematical problems. |
| **CC.2.2.7.B.3** |  Model and solve real-world and mathematical problems by using and connecting numerical, algebraic, and/or graphical representations. |
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| **CC.2.3.7.A.1** |  Solve real-world and mathematical problems involving angle measure, area, surface area, circumference, and volume. |
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| **CC.2.4.5.A.1** |  Solve problems using conversions within a given measurement system. |