5. Annette, Barb, and Carlita work in a clothing shop. One day the three had combined sales of $1480. Annette sold $120 more than Barb. Barb and Carlita combined sold $280 more than Annette. How much did each person sell?

Define variable | **write equations** | **REWRITE as systems** | **Matrices**

A= B=

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6. A triangle has one angle that measures 5° more than twice the smallest angle, and the largest angle measures 11° less than 3 times the measure of the smallest angle. Find the measures of the three angles.

Define variable | **write equations** | **REWRITE as systems** | **Matrices**

A= B=

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7. Souvenir hats, T-shirts, and jackets are sold at a rock concert. Three hats, two T-shirts, and one jacket cost $140. Two hats, two T-shirts, and two jackets cost $170. One hat, three T-shirts, and two jackets cost $180. Find the prices of the individual items.

Define variable | **write equations** | **REWRITE as systems** | **Matrices**

A= B=

MAKE a MATRIX then solve the following systems with a calculator.

8. $$\begin{aligned} 4x + 2z &= 12 + 3y \\ 2y &= 3x + 3z - 5 \\ y &= 2x + 7z + 8 \end{aligned}$$

A = B = x = _____ y = _____ z = _____

9. $$\begin{aligned} 3x + 2z &= 11 \\ y - 7z &= 4 \\ x - 6y &= 1 \end{aligned}$$

A = B = x = _____ y = _____ z = _____