Solve for the indicated variable.

1.) $F=\frac{a+b+c}{3}$ for $b$ 2.) $x=\frac{2y-z}{4}$ for $z$ 3.) $G=\frac{Z\left(YM-2L\right)}{2}$ for $M$

4.) **Geometry**: To find the coordinate of the midpoint of a segment with endpoints that have $a$ and $b$, you can use the formula $m=\frac{a+b}{2}$.

a. Find the coordinate of the midpoint of a segment with endpoints 8.2 and 3.5.

b. Transform the formula to find $b$ in terms of $a$ and $m$.

c. A segment has midpoint 2.1. One endpoint is -1.7. Find the other endpoint.

**Algebra – Bellwork #22 Date: \_\_\_\_\_\_\_\_\_\_**

Solve for the indicated variable.

1.) $F=\frac{a+b+c}{3}$ for $b$ 2.) $x=\frac{2y-z}{4}$ for $z$ 3.) $G=\frac{Z\left(YM-2L\right)}{2}$ for $M$

4.) **Geometry**: To find the coordinate of the midpoint of a segment with endpoints that have $a$ and $b$, you can use the formula $m=\frac{a+b}{2}$.

a. Find the coordinate of the midpoint of a segment with endpoints 8.2 and 3.5.

b. Transform the formula to find $b$ in terms of $a$ and $m$.

c. A segment has midpoint 2.1. One endpoint is -1.7. Find the other endpoint.