1 A .4 c

1. $\quad A=\frac{1}{2} h\left(b_{1}+b_{2}\right)$ is a formula which can be used to find the area $(A)$ of a trapezoid in which $h$ represents height, and $b_{1}$ and $b_{2}$ represent the bases of the trapezoid. Using algebraic properties, solve the formula for height $(h)$.
2. The formula for the finding the perimeter of a rectangle can be represented as $2 l+2 w=P$. Where $l$ represents the length and $w$ represents the width. Using algebraic properties, solve the formula for width ( $w$ ).
3. The formula for finding the surface area of a square-based pyramid can be represented as $S . A .=\frac{1}{2} l p+B$.
Select all formulas that are equivalent to this formula.

| $B=S . A .-\frac{1}{2} l p$ | $p=\frac{2(S . A .)}{l B}$ | $l=2\left(\frac{S . A .-B}{p}\right)$ |
| :---: | :---: | :---: |
| $B=\frac{2(S . A .)}{l p}$ | $\frac{2(S . A .-B)}{l}=p$ | $2\left(\frac{S . A .}{p B}\right)=l$ |

4. Solve the formula $\left(y-y_{1}\right)=m\left(x-x_{1}\right)$ for $x$.
5. The formula for finding the volume of a cone can be represented as $V=\frac{1}{3} \pi r^{2} h$, where $V$ represents the volume, $r$ represents the radius, and $h$ represents the height. Solve the formula for the height, $h$.
