

1-105. (a) and (b) are perpendicular, while (b) and (c) are parallel.

## 1-106. See below.

- a. One possibility: 4(5x + 2) = 48
- b. x = 2
- c.  $12 \cdot 12 = 144$  square units

## 1-107. See below.

a. 
$$\frac{4}{52} = \frac{1}{13}$$

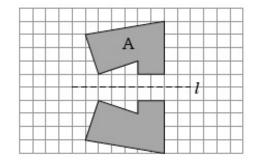
b. 
$$\frac{13}{52} = \frac{1}{4}$$

- $\frac{1}{52}$ 
  - <u>39</u> <u>3</u>
- $\frac{55}{52} = \frac{5}{4}$

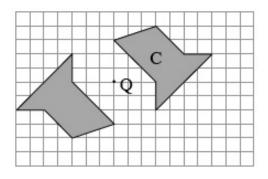
## 1-108. See below.

- a. It looks the same as the original.
- b. Solution should be any value of 45k where k is an integer.
- c. circle

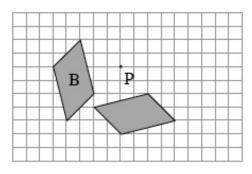
## 1-109. See solutions below.



a:



b:



D m

d: