Pg. 46 (4-20)

(4) No, different sizes!

(5) Congruent! same shape + size

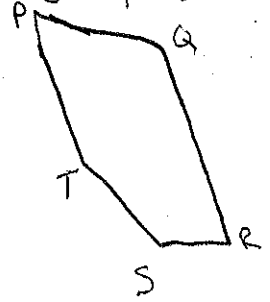
(6)

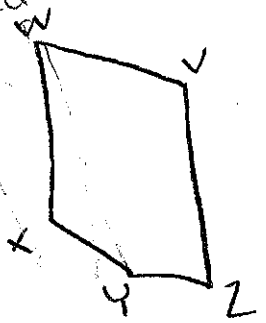
$\angle A + \angle J$	$AB + JK$
$\angle B + \angle K$	$BC + KL$
$\angle C + \angle L$	$CD + LM$
$\angle D + \angle M$	$AD + JM$

(7)

$\angle P + \angle W$	$PQ + WV$
$\angle Q + \angle V$	$QR + VZ$
$\angle R + \angle Z$	$RS + YZ$
$\angle Y + \angle S$	$TS + XY$
$\angle T + \angle X$	$PT + WX$

* shapes are turned





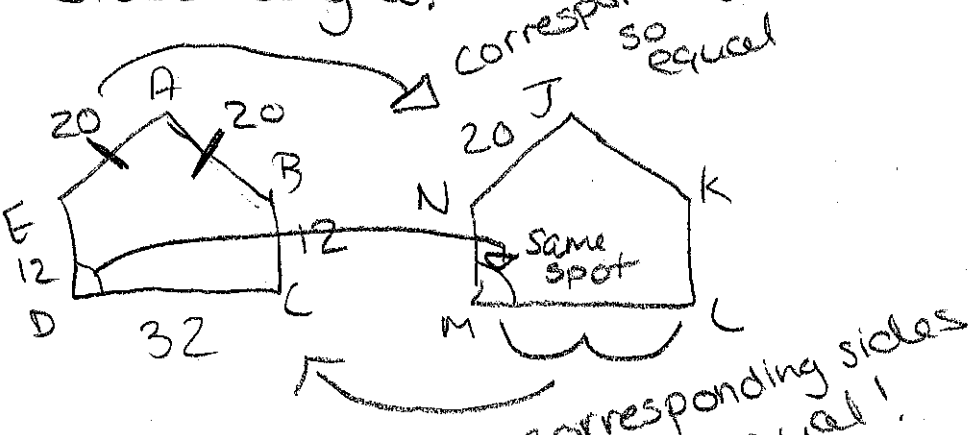
(8) Yes, Corresponding angles + corresponding sides

(9) No, different sizes

(10) the missing puzzle piece and unfinished puzzle cut out are congruent.

(11) The corresponding angles are not congruent as the rhombus has 2 different sized angles.

(12)



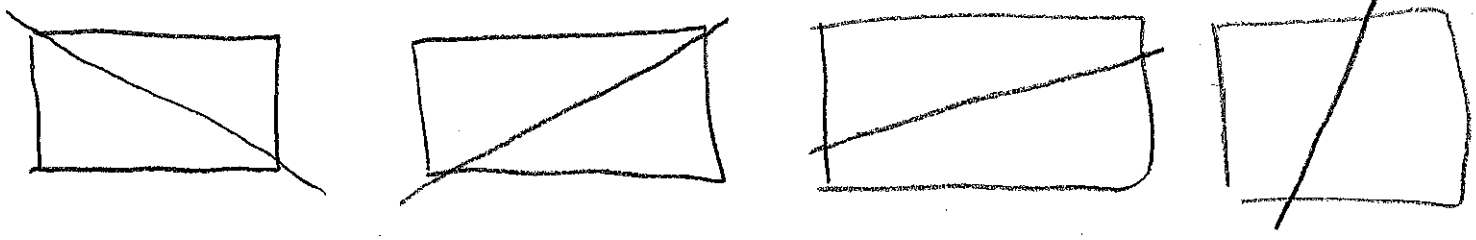
a) $LM = 32$ ft

b) $\angle M$

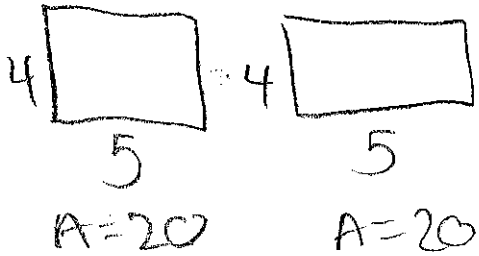
c) 20 ft

d) $20 + 20 + 12 + 32 + 12 = 96$ feet

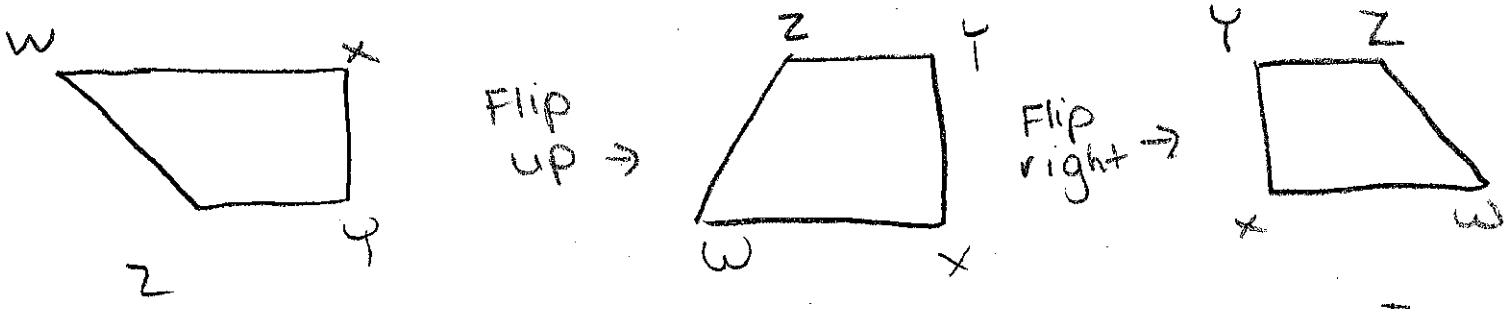
(13)



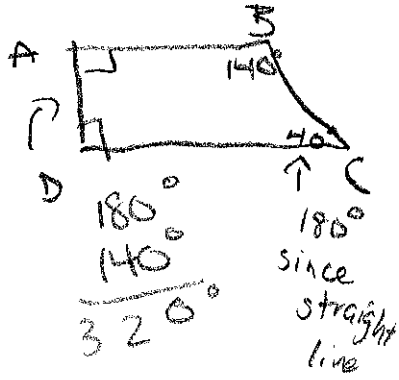
(14) Yes, if they have the same dimensions (length + width), they have the same area.



(15) A) True
Yes, if you flip the bottom shape up and flip to right, the sides are the same



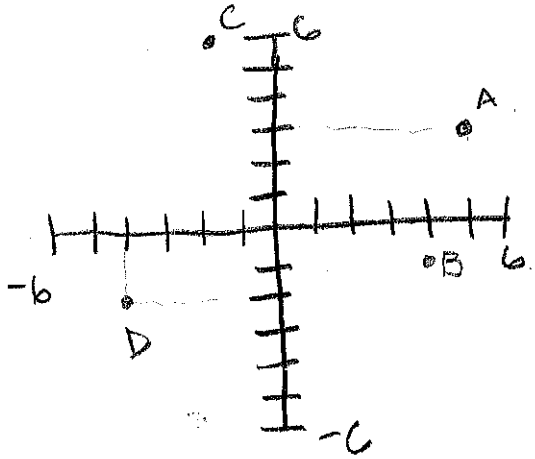
b) True, they are not corresponding since they are not in the same position. BUT, they are both right angles, so they are congruent.



c) False, see above.

d) True
Quadrilateral (4 sided figure always equals 360°)
$90° + 90° + 40° + 140° = 360°$

(16)-(19)



(20) (B)
2 quarters
+ 5 dimes
7 coins total

$\frac{\text{quarters}}{\text{total}} = \frac{2}{7}$