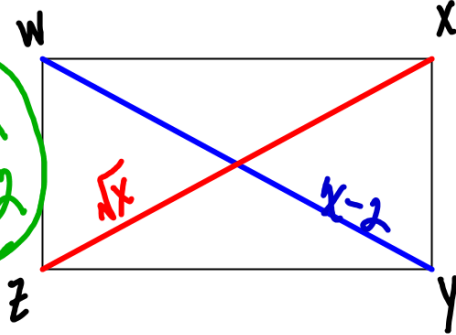


34. p152

$WY = 2$   
 $XZ = 2$



~~$x=1$~~

$x=4$

$\sqrt{4} = 4-2$   
 $2 = 2$

$(x-2)^2 = (\sqrt{x})^2$

FOIL  $(x-2)(x-2) = x$

Combine like terms

$x^2 - 2x - 2x + 4 = x$

Set = 0

$x^2 - 4x + 4 = x$

Factor

$x^2 - 5x + 4 = 0$

$(x-1)(x-4) = 0$

Set each factor = 0

$x-1=0$  or  $x-4=0$

$x=1$  or  $x=4$

$\sqrt{25}$

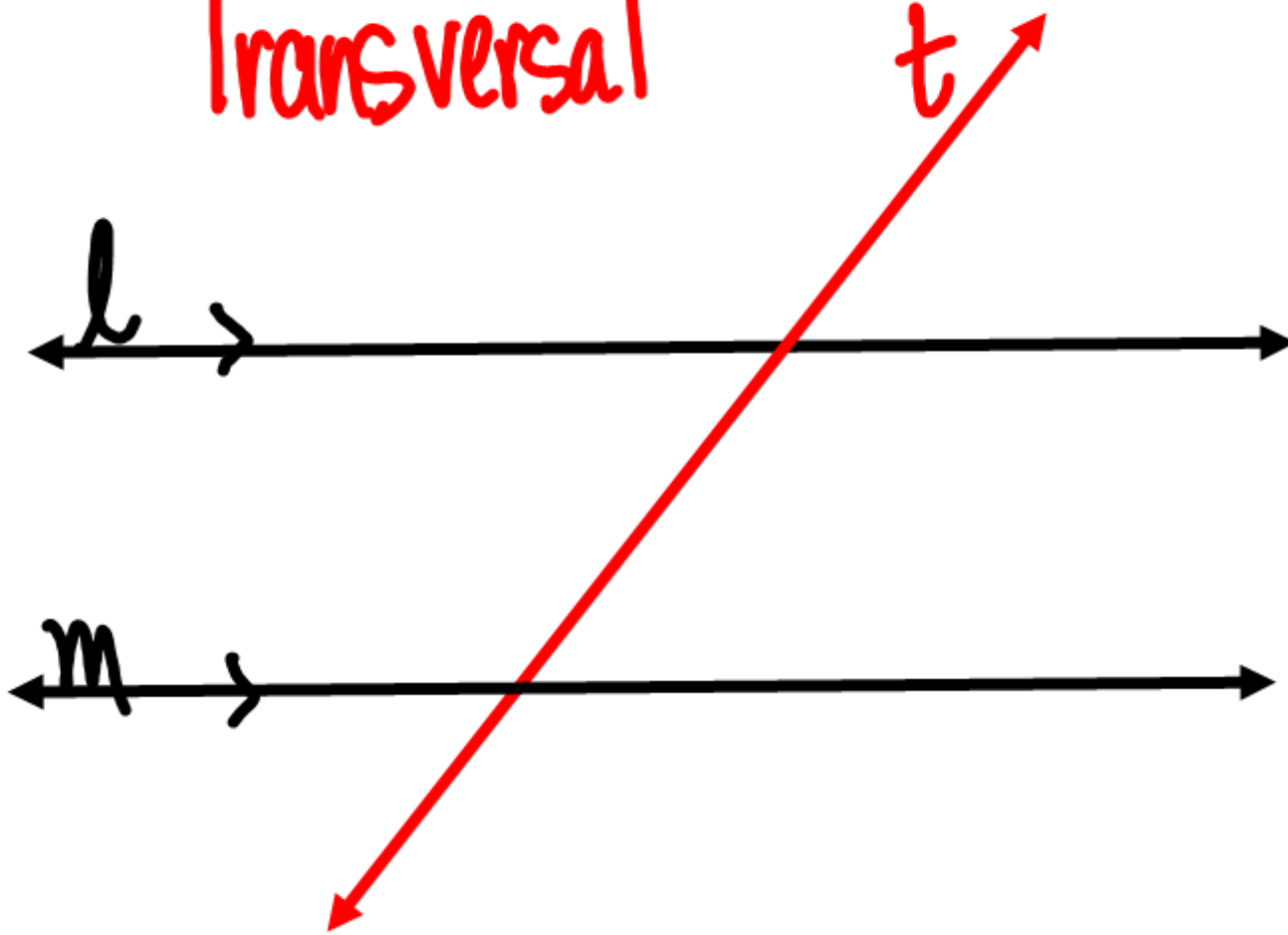
5  
 $5^2$   
 25

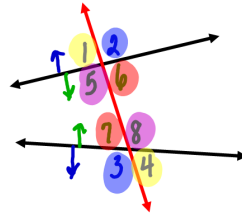
1·4  
 2·2

Property	Parallelogram	Rectangle	Rhombus	Square
Opposite sides parallel	✓	✓	✓	✓
Opposite sides congruent	✓	✓	✓	✓
Opposite angles congruent	✓	✓	✓	✓
Diagonal forms 2 congruent triangles	✓	✓	✓	✓
Diagonals bisect each other	✓	✓	✓	✓
Diagonals are congruent		✓		✓
Diagonals are perpendicular			✓	✓
Diagonal bisects 2 angles				
All angles are right angles		✓		✓
All sides are congruent			✓	✓

3.3

Transversal





Exterior  $\angle$ s :  $\angle 1, \angle 2, \angle 3, \angle 4$

Interior  $\angle$ s :  $\angle 5, \angle 6, \angle 7, \angle 8$

Alternate Interior  $\angle$ s (pairs)

$\angle 5 \hat{=} \angle 7$

$\angle 6 \hat{=} \angle 8$

Alternate Exterior  $\angle$ s (pairs)

$\angle 1 \hat{=} \angle 3$

$\angle 2 \hat{=} \angle 4$

Same-Side Interior  $\angle$ s (pairs)

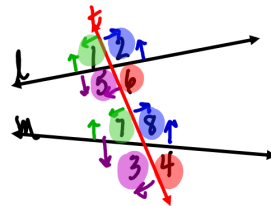
$\angle 6 \hat{=} \angle 7$

$\angle 5 \hat{=} \angle 8$

Same-Side Exterior  $\angle$ s (pairs)

$\angle 1 \hat{=} \angle 2$

$\angle 3 \hat{=} \angle 4$



Corresponding  $\angle$ s (pairs)

$\angle 1 \hat{=} \angle 7$

$\angle 2 \hat{=} \angle 8$

$\angle 5 \hat{=} \angle 3$

$\angle 6 \hat{=} \angle 4$

