

Use Parallel Lines and Transversals Assignment

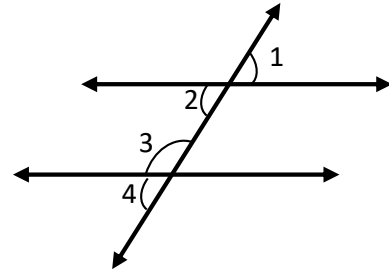
Use the figure given below for 1-2.

1. What will be the value of y if:

$$m\angle 1 = 2y + 15^\circ$$

$$m\angle 4 = 75^\circ$$

$$y = \underline{\hspace{2cm}}$$



2. What will be the value of h if:

$$m\angle 2 = 3h - 35^\circ$$

$$m\angle 4 = h + 85^\circ$$

$$h = \underline{\hspace{2cm}}$$

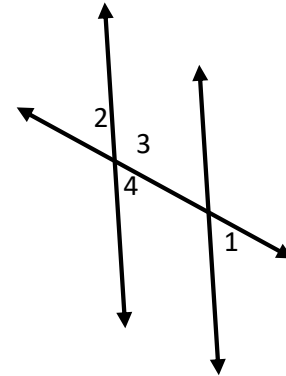
Use the figure for 3-5.

3. What will be the value of z if:

$$m\angle 1 = z^2 - 45^\circ$$

$$m\angle 4 = 55^\circ$$

$$z = \underline{\hspace{2cm}}$$



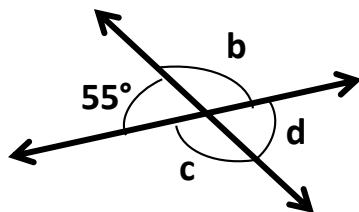
4. What will be the value of $m\angle 2$?

$$m\angle 2 = \underline{\hspace{2cm}}$$

5. What will be the value of $m\angle 3$?

$$m\angle 3 = \underline{\hspace{2cm}}$$

Find the unknown angles in each case.



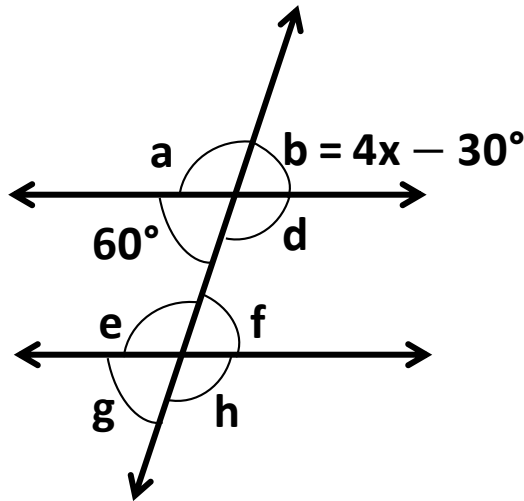
1. $b = \underline{\hspace{2cm}}$

2. $c = \underline{\hspace{2cm}}$

3. $d = \underline{\hspace{2cm}}$

Use Parallel Lines and Transversals Assignment

Find the unknown angles for the figure given below.

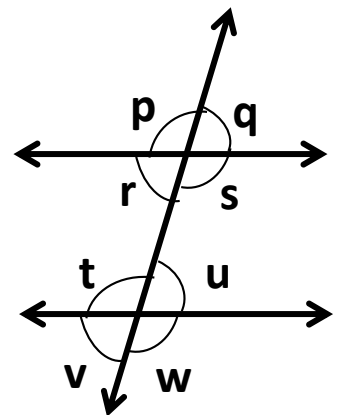


1. Angle b = _____
2. Angle a = _____
3. Angle d = _____
4. Angle e = _____
5. Angle f = _____
6. Angle g = _____
7. Angle h = _____

Match the columns for the figure given.

Angle r and t
Angle r and u
Angle p and w
Angle q and u
Angle t and w
Angle s and t
Angle q and v
Angle p and t
Angle t and u
Angle p and s

Supplementary
Corresponding angles
Alternate angles
Vertical angles



Use Parallel Lines and Transversals Assignment

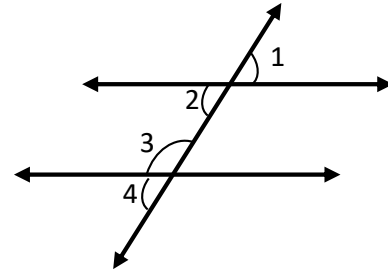
Use the figure given below for 1-2.

1. What will be the value of y if:

$$m\angle 1 = 2y + 15^\circ$$

$$m\angle 4 = 75^\circ$$

$$y = \underline{\underline{30^\circ}}$$



2. What will be the value of h if:

$$m\angle 2 = 3h - 35^\circ$$

$$m\angle 4 = h + 85^\circ$$

$$h = \underline{\underline{60^\circ}}$$

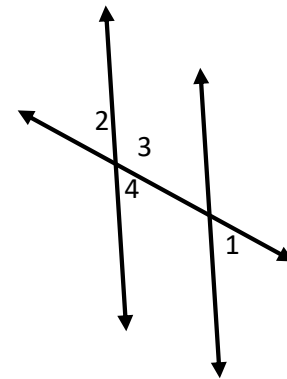
Use the figure for 3-5.

3. What will be the value of z if:

$$m\angle 1 = z^2 - 45^\circ$$

$$m\angle 4 = 55^\circ$$

$$z = \underline{\underline{10^\circ}}$$



4. What will be the value of $m\angle 2$?

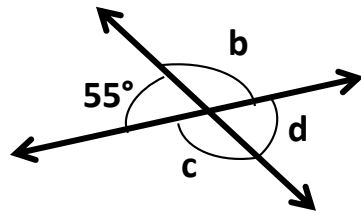
$$m\angle 2 = \underline{\underline{55^\circ}}$$

5. What will be the value of $m\angle 3$?

$$m\angle 3 = \underline{\underline{125^\circ}}$$

Use Parallel Lines and Transversals Assignment

Find the unknown angles in each case.

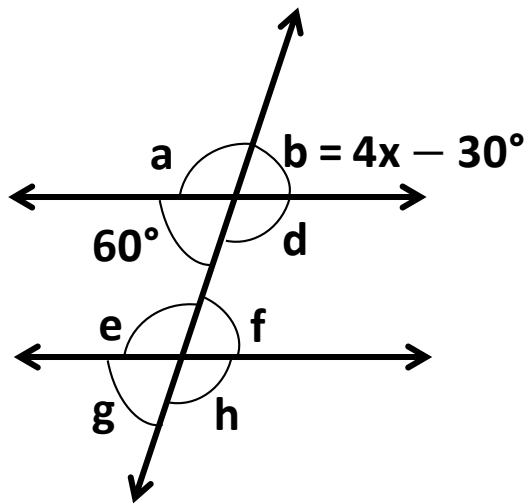


1. $b =$ _____ 125° _____

2. $c =$ _____ 125° _____

3. $d =$ _____ 55° _____

Find the unknown angles for the figure given below.



1. Angle $b =$ _____ 60° _____

2. Angle $a =$ _____ 120° _____

3. Angle $d =$ _____ 120° _____

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4. Angle e = 120°

5. Angle f = 60°

6. Angle g = 60°

7. Angle h = 120°

Match the columns for the figure given.

Angle r and t
Angle r and u
Angle p and w
Angle q and u
Angle t and w
Angle s and t
Angle q and v
Angle p and t
Angle t and u
Angle p and s

Supplementary
Corresponding angles
Alternate angles
Vertical angles

