

Review
Angle Pair
Relationships, Lines
and Angles

Angle Pair Relationships	Lines and Angles
1	1
2	2
3	3
4	4
5	5
6	6

Sep 12-7:01 PM

Sep 12-7:02 PM

Angle Pair Relationships 1

Find the $m\angle ABC$ and $m\angle CBD$.

$m\angle ABC = 58^\circ$
 $m\angle CBD = 32^\circ$

$3x+7+2x-2=90$
 $5x+5=90$
 $5x=85$
 $x=17$

Back

Sep 12-7:27 PM

Angle Pair Relationships 2

Find the $m\angle ABC$ and $m\angle CBD$.

$m\angle ABC = 46.5^\circ$
 $m\angle CBD = 133.5^\circ$

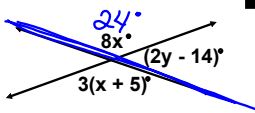
$3x-9+7x+4=180$
 $10x-5=180$
 $10x=185$
 $x=18.5$

Back

Sep 12-7:27 PM

Angle Pair Relationships 3

Find x and y.



$x = 3$
 $y = 85$

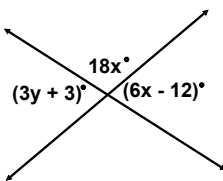
Back

$8x = 3x + 15$
 $5x = 15$
 $x = 3$
 $2y - 14 + 24 = 180$
 $2y + 10 = 180$
 $2y = 170$
 $y = 85$

Sep 12-7:27 PM

Angle Pair Relationships 4

Find x and y.



$x = 8$
 $y = 11$


Back

Sep 12-7:27 PM

Angle Pair Relationships 5

The measure of one angle is 58° more than its supplement. Find both angles.

61° and 119°




Back

Sep 12-7:27 PM

Angle Pair Relationships 6

The measure of one angle is 5 times its complement. Find both angles.

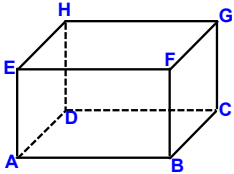
15° and 75°



Back

Sep 12-7:27 PM

Lines and Angles 1 (Use parallel, skew, or perpendicular)



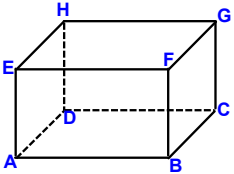
1. Sides \overline{DC} and \overline{AE} are ____
2. Sides \overline{AD} and \overline{FG} are ____

1. Skew 2. //

Back

Sep 12-7:28 PM

Lines and Angles 2 (Use parallel, skew, or perpendicular)



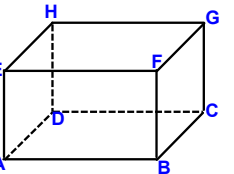
1. sides \overline{HD} and \overline{AB} are ____
2. sides \overline{FB} and \overline{GF} are ____

1. Skew 2. \perp

Back

Sep 12-7:28 PM

Lines and Angles 3 (Use parallel, skew, or perpendicular)



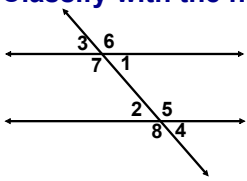
1. Plane EHD and Plane HGF are ____
2. Plane DAB and Plane GFE are ____

Back

Sep 12-7:28 PM

Lines and Angles 4

Classify with the names of the angle pairs.



1. $\angle 7$ and $\angle 8$
2. $\angle 2$ and $\angle 4$

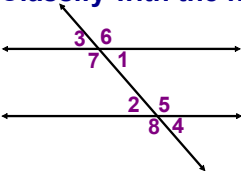
1. Corresponding 2. Vertical

Back

Sep 12-7:28 PM

Lines and Angles 5

Classify with the names of the angle pairs.



- 1. $\angle 6$ and $\angle 8$
- 2. $\angle 1$ and $\angle 5$
- 3. $\angle 7$ and $\angle 5$

1. Alt. Ext. 2. Consec Int. 3. Alt. Int.

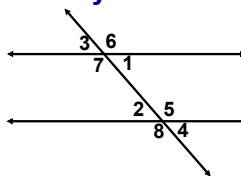
Back



Sep 12-7:28 PM

Lines and Angles 6

Classify with the names of the angle pairs.



- 1. $\angle 6$ and $\angle 4$
- 2. $\angle 2$ and $\angle 5$
- 3. $\angle 6$ and $\angle 2$

1. Consec. Ext. 2. Linear pair 3. None

Back



Sep 12-7:28 PM

Lines and Angles

Sep 12-7:28 PM