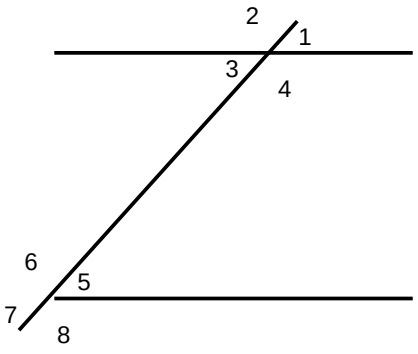
Name: _____

Parallel Lines Cut by a Transversal

The two horizontal lines are parallel. Use angle 1 to find the other seven angles.

Learn: Corresponding and alternate angles are equal. Angles that sit side by side on a line add to 180°. Example: if one angle is 65°, the angle beside it is 115°.

1.



Angle 2 = _____

Angle 3 = _____

Angle 4 = _____

Angle 5 = _____

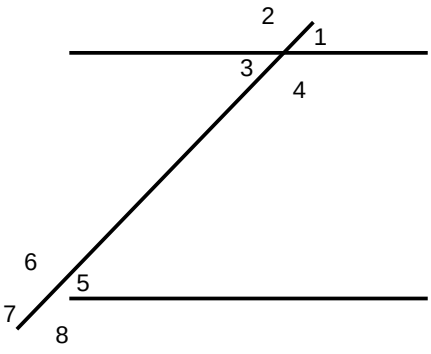
Angle 6 = _____

Angle 7 = _____

Angle 8 = _____

Angle 1 = 48°

2.



Angle 2 = _____

Angle 3 = _____

Angle 4 = _____

Angle 5 = _____

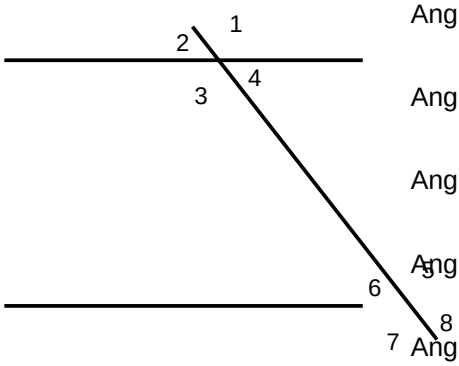
Angle 6 = _____

Angle 7 = _____

Angle 8 = _____

Angle 1 = 46°

3.



Angle 2 = _____

Angle 3 = _____

Angle 4 = _____

Angle 5 = _____

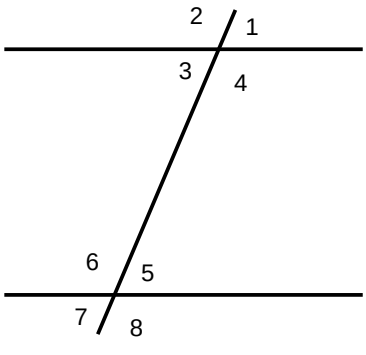
Angle 6 = _____

Angle 7 = _____

Angle 8 = _____

Angle 1 = 128°

4.



Angle 2 = _____

Angle 3 = _____

Angle 4 = _____

Angle 5 = _____

Angle 6 = _____

Angle 7 = _____

Angle 8 = _____

Angle 1 = 67°

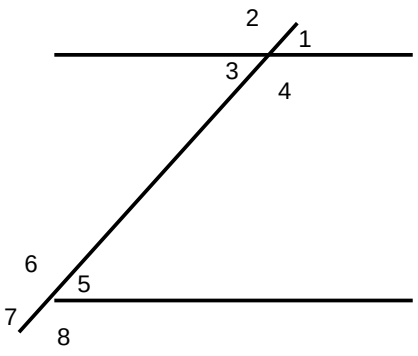
Name: **ANSWER KEY**

Parallel Lines Cut by a Transversal

The two horizontal lines are parallel. Use angle 1 to find the other seven angles.

Learn: Corresponding and alternate angles are equal. Angles that sit side by side on a line add to 180°. Example: if one angle is 65°, the angle beside it is 115°.

1.



Angle 2 = **132°**

Angle 3 = **48°**

Angle 4 = **132°**

Angle 5 = **48°**

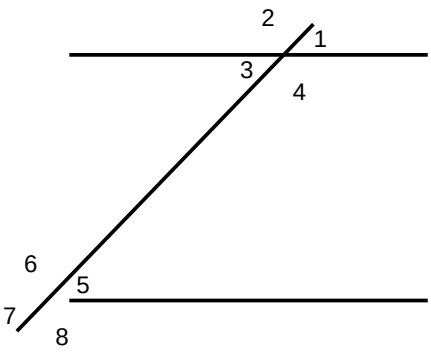
Angle 6 = **132°**

Angle 7 = **48°**

Angle 8 = **132°**

Angle 1 = 48°

2.



Angle 2 = **134°**

Angle 3 = **46°**

Angle 4 = **134°**

Angle 5 = **46°**

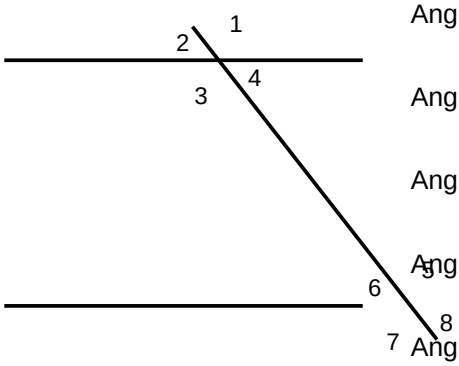
Angle 6 = **134°**

Angle 7 = **46°**

Angle 8 = **134°**

Angle 1 = 46°

3.



Angle 2 = **52°**

Angle 3 = **128°**

Angle 4 = **52°**

Angle 5 = **128°**

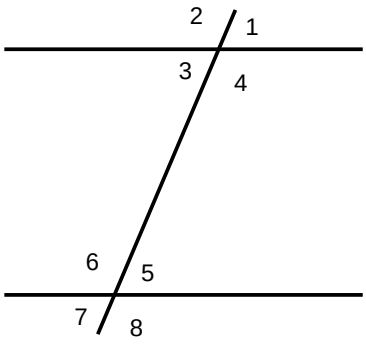
Angle 6 = **52°**

Angle 7 = **128°**

Angle 8 = **52°**

Angle 1 = 128°

4.



Angle 2 = **113°**

Angle 3 = **67°**

Angle 4 = **113°**

Angle 5 = **67°**

Angle 6 = **113°**

Angle 7 = **67°**

Angle 8 = **113°**

Angle 1 = 67°