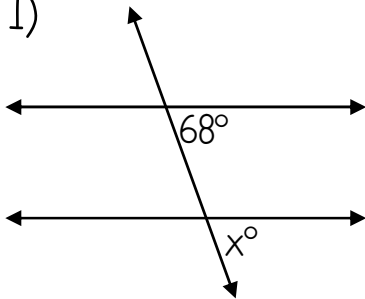


Angle Pairs Created by Parallel Lines Cut by a Transversal

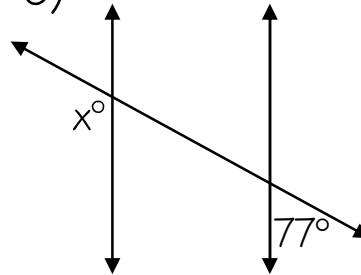
For each set of angles name the angle pair and find the missing measurement

1)



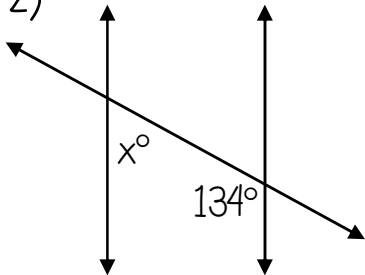
Type of angle pair
_ **Corresponding** _
These angles are
_ **Congruent** _
so... $x = \underline{68^\circ}$

5)



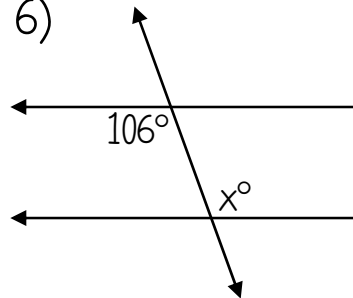
Type of angle pair
_ **Same-Side Exterior** _
These angles are
_ **Supplementary** _
so... $x = \underline{103^\circ}$

2)



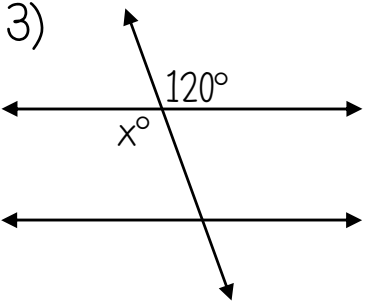
Type of angle pair
_ **Same-Side Interior** _
These angles are
_ **Supplementary** _
so... $x = \underline{46^\circ}$

6)



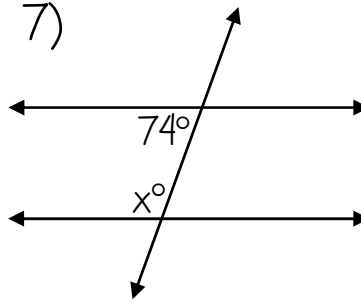
Type of angle pair
_ **Alternate Interior** _
These angles are
_ **Congruent** _
so... $x = \underline{106^\circ}$

3)



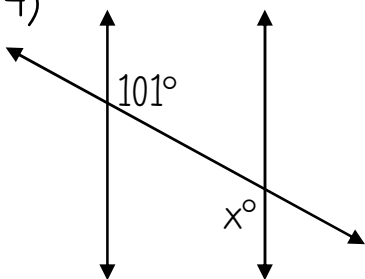
Type of angle pair
_ **Vertical** _
These angles are
_ **Congruent** _
so... $x = \underline{120^\circ}$

7)



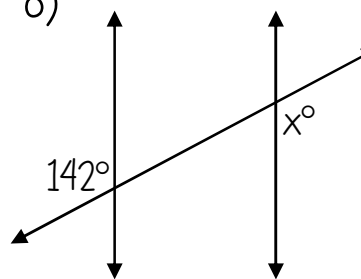
Type of angle pair
_ **Same-Side Interior** _
These angles are
_ **Supplementary** _
so... $x = \underline{106^\circ}$

4)



Type of angle pair
_ **Alternate Interior** _
These angles are
_ **Congruent** _
so... $x = \underline{101^\circ}$

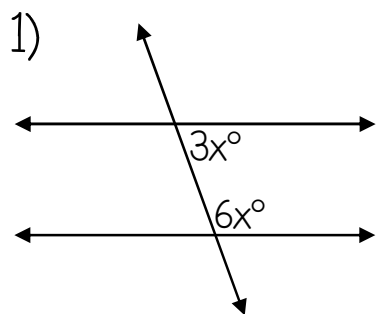
8)



Type of angle pair
_ **Alternate Exterior** _
These angles are
_ **Congruent** _
so... $x = \underline{142^\circ}$

Angle Pairs Created by Parallel Lines Cut by a Transversal

For each set of angles name the angle pair, write the equation, solve the equation for x , and plug in x to find the missing angle measurements



Type of angle pair Same-Side Interior

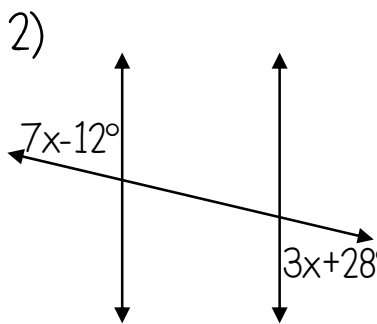
Show your work

These angles are Supplementary

Equation $3x+6x=180$

$x=$ 20

Angle Measurements= 60° & 120°



Type of angle pair Alternate Exterior

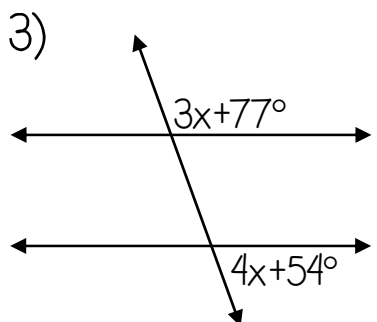
Show your work

These angles are Congruent

Equation $7x-12=3x+28$

$x=$ 10

Angle Measurements= 58° & 58°



Type of angle pair Same-Side Exterior

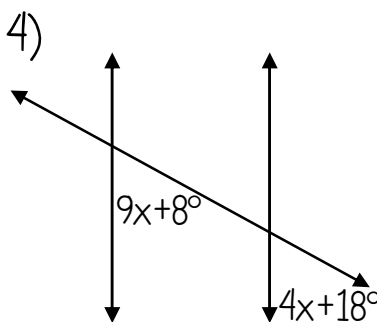
Show your work

These angles are Supplementary

Equation $3x+77+4x+54=180$

$x=$ 7

Angle Measurements= 98° & 82°



Type of angle pair Corresponding

Show your work

These angles are Congruent

Equation $9x+8=4x+18$

$x=$ 2

Angle Measurements= 26° & 26°