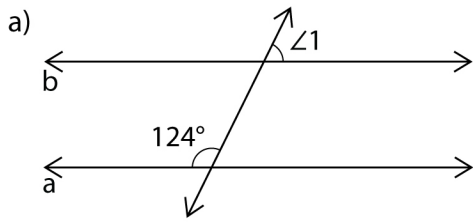
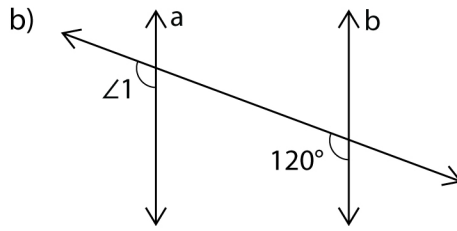


# Proving Lines are Parallel

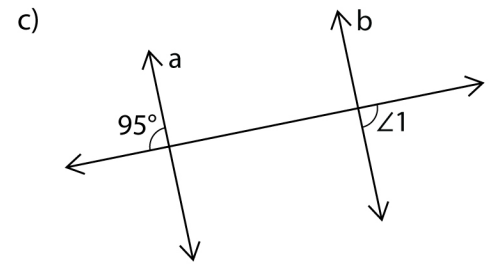
1. Find the unknown angle that makes  $a \parallel b$ .



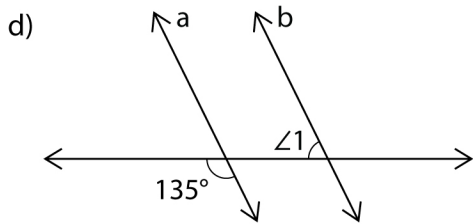
$\angle 1 = \text{-----}$



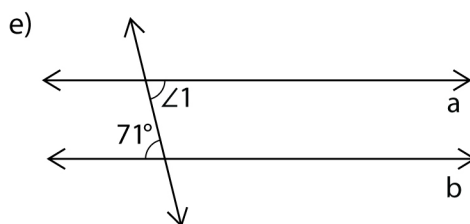
$\angle 1 = \text{-----}$



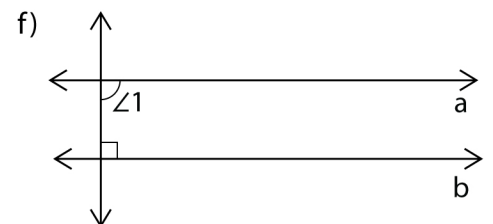
$\angle 1 = \text{-----}$



$\angle 1 = \text{-----}$

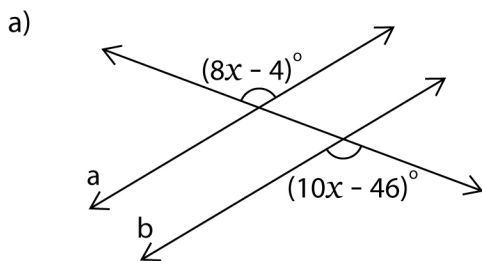


$\angle 1 = \text{-----}$

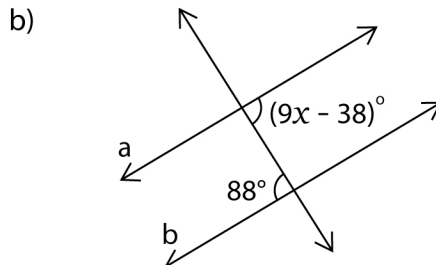


$\angle 1 = \text{-----}$

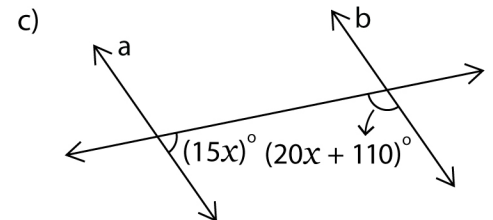
2. Solve for  $x$  that makes  $a \parallel b$ .



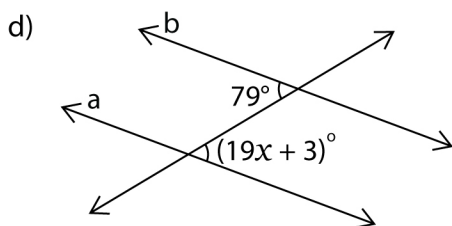
$x = \text{-----}$



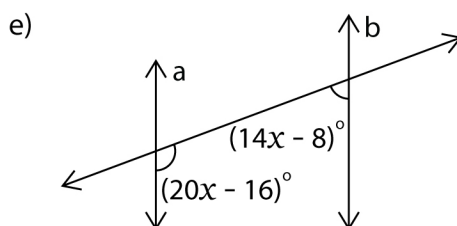
$x = \text{-----}$



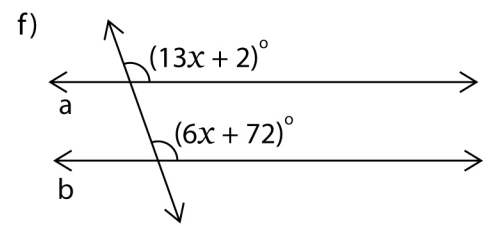
$x = \text{-----}$



$x = \text{-----}$



$x = \text{-----}$

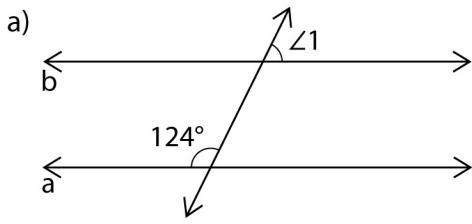


$x = \text{-----}$

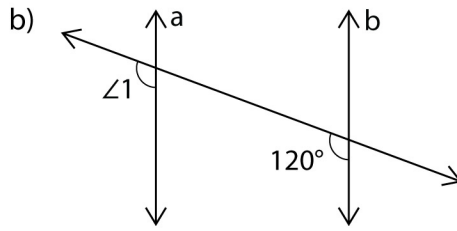
# Proving Lines are Parallel

## Answers

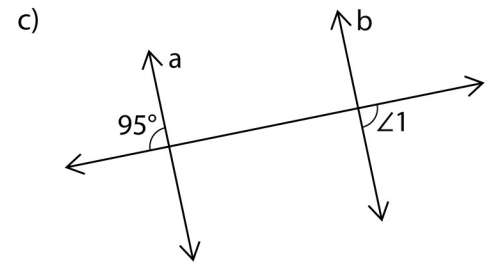
1.



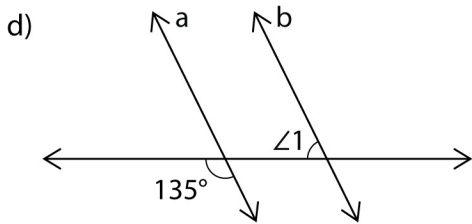
$\angle 1 = \underline{\underline{56^\circ}}$



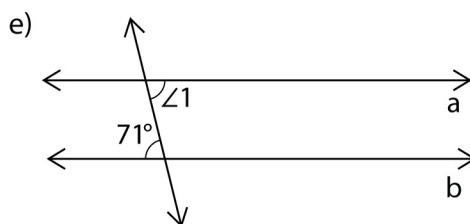
$\angle 1 = \underline{\underline{120^\circ}}$



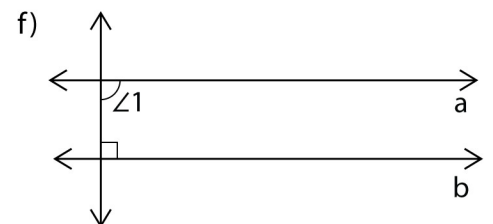
$\angle 1 = \underline{\underline{95^\circ}}$



$\angle 1 = \underline{\underline{45^\circ}}$

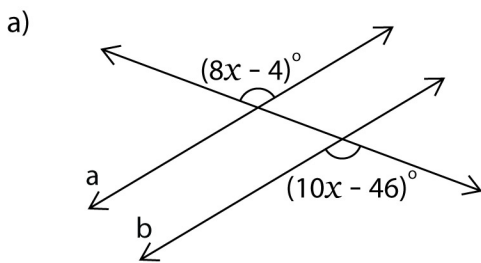


$\angle 1 = \underline{\underline{71^\circ}}$

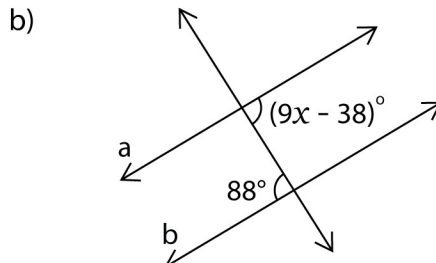


$\angle 1 = \underline{\underline{90^\circ}}$

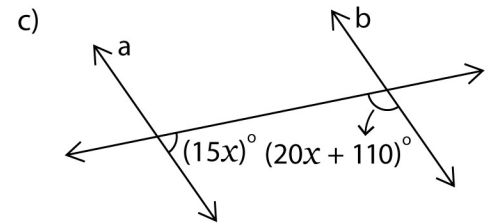
2.



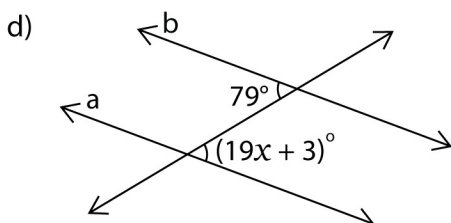
$x = \underline{\underline{21}}$



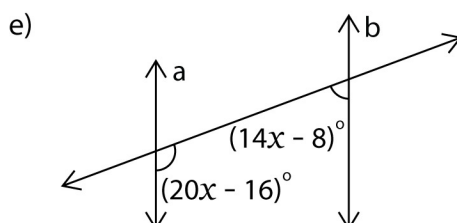
$x = \underline{\underline{14}}$



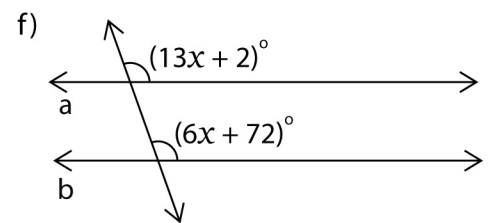
$x = \underline{\underline{2}}$



$x = \underline{\underline{4}}$



$x = \underline{\underline{6}}$



$x = \underline{\underline{10}}$