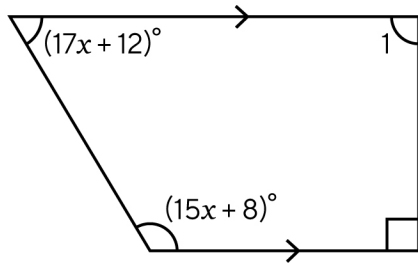


PROPERTIES OF PARALLEL LINES

Solve for x and find the value of the angles.

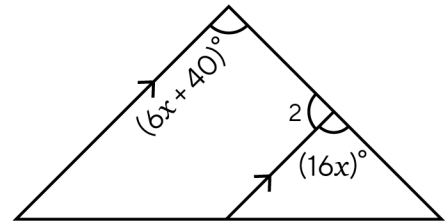
1.



$$x = \underline{\hspace{2cm}} \quad (15x + 8)^\circ = \underline{\hspace{2cm}}$$

$$(17x + 12)^\circ = \underline{\hspace{2cm}} \quad \angle 1 = \underline{\hspace{2cm}}$$

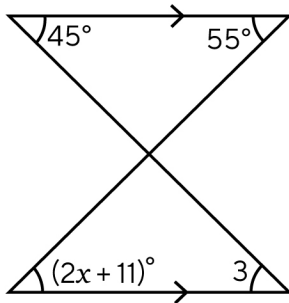
2.



$$x = \underline{\hspace{2cm}} \quad (16x)^\circ = \underline{\hspace{2cm}}$$

$$(6x + 40)^\circ = \underline{\hspace{2cm}} \quad \angle 2 = \underline{\hspace{2cm}}$$

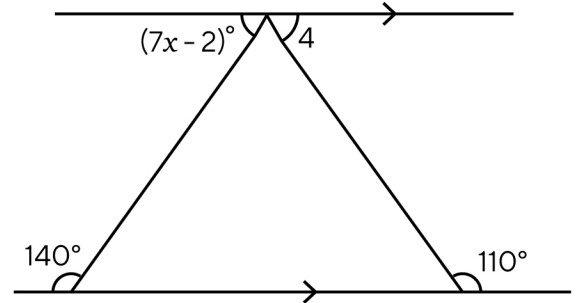
3.



$$x = \underline{\hspace{2cm}} \quad \angle 3 = \underline{\hspace{2cm}}$$

$$(2x + 11)^\circ = \underline{\hspace{2cm}}$$

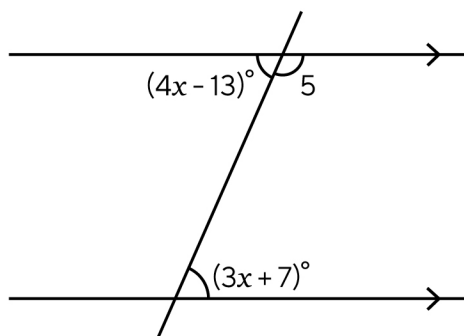
4.



$$x = \underline{\hspace{2cm}} \quad \angle 4 = \underline{\hspace{2cm}}$$

$$(7x - 2)^\circ = \underline{\hspace{2cm}}$$

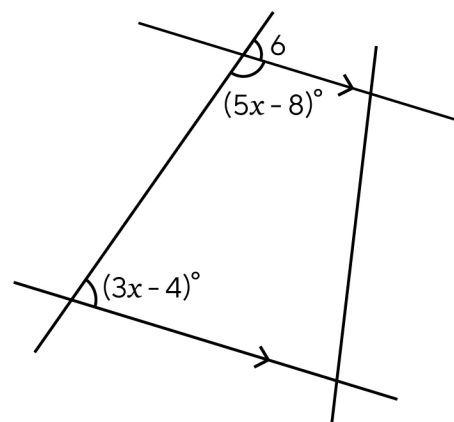
5.



$$x = \underline{\hspace{2cm}} \quad (4x - 13)^\circ = \underline{\hspace{2cm}}$$

$$(3x + 7)^\circ = \underline{\hspace{2cm}} \quad \angle 5 = \underline{\hspace{2cm}}$$

6.



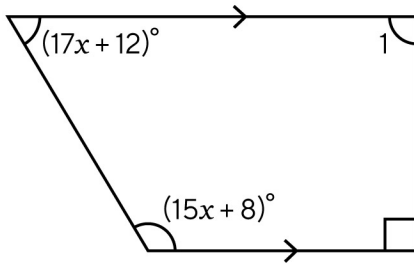
$$x = \underline{\hspace{2cm}} \quad (5x - 8)^\circ = \underline{\hspace{2cm}}$$

$$(3x - 4)^\circ = \underline{\hspace{2cm}} \quad \angle 6 = \underline{\hspace{2cm}}$$

PROPERTIES OF PARALLEL LINES

Answers

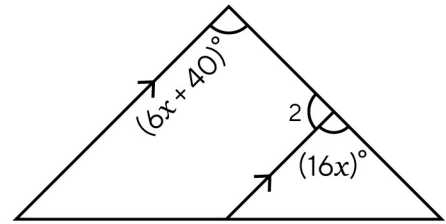
1.



$$x = \underline{5^\circ} \quad (15x + 8)^\circ = \underline{83^\circ}$$

$$(17x + 12)^\circ = \underline{97^\circ} \quad \angle 1 = \underline{90^\circ}$$

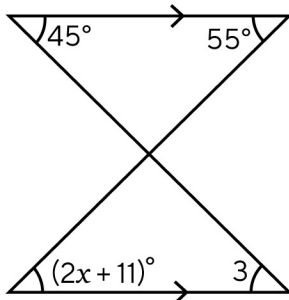
2.



$$x = \underline{4^\circ} \quad (16x)^\circ = \underline{64^\circ}$$

$$(6x + 40)^\circ = \underline{64^\circ} \quad \angle 2 = \underline{116^\circ}$$

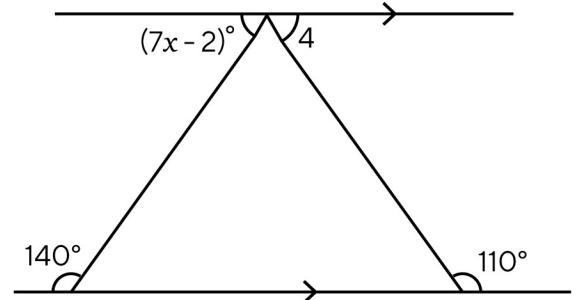
3.



$$x = \underline{22^\circ} \quad \angle 3 = \underline{45^\circ}$$

$$(2x + 11)^\circ = \underline{55^\circ}$$

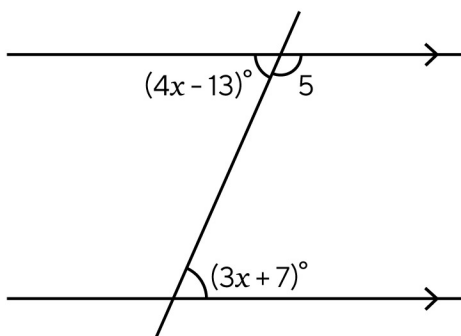
4.



$$x = \underline{6^\circ} \quad \angle 4 = \underline{70^\circ}$$

$$(7x - 2)^\circ = \underline{40^\circ}$$

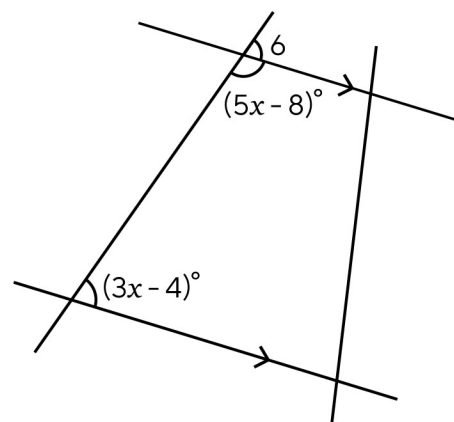
5.



$$x = \underline{20^\circ} \quad (4x - 13)^\circ = \underline{67^\circ}$$

$$(3x + 7)^\circ = \underline{67^\circ} \quad \angle 5 = \underline{113^\circ}$$

6.



$$x = \underline{24^\circ} \quad (5x - 8)^\circ = \underline{112^\circ}$$

$$(3x - 4)^\circ = \underline{68^\circ} \quad \angle 6 = \underline{68^\circ}$$