

Name: _____

(KEY)

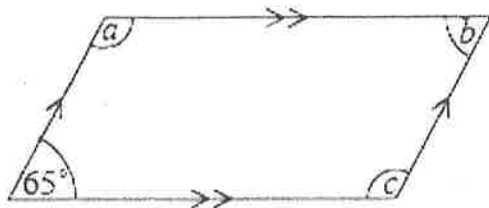
Date: _____

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Chapter 3 - Missing Angles Worksheet

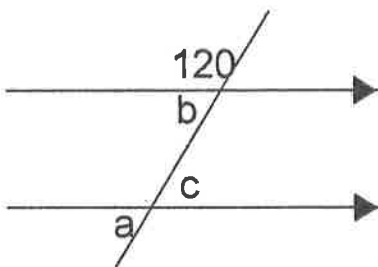
Find all missing angles.

1. Find the size of the three unknown angles in the parallelogram opposite:



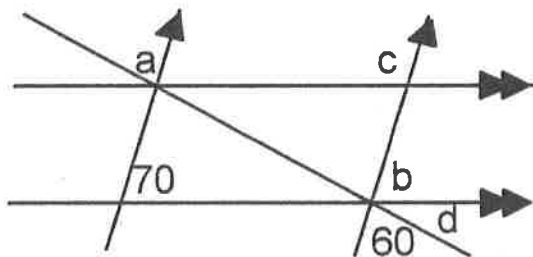
$$\begin{aligned} a &= 115^\circ \\ b &= 65^\circ \\ c &= 115^\circ \end{aligned}$$

2.



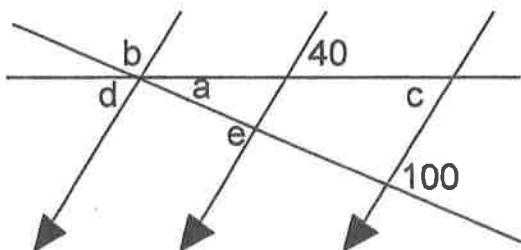
$$\begin{aligned} a &= 60^\circ \\ b &= 60^\circ \\ c &= 60^\circ \end{aligned}$$

3.



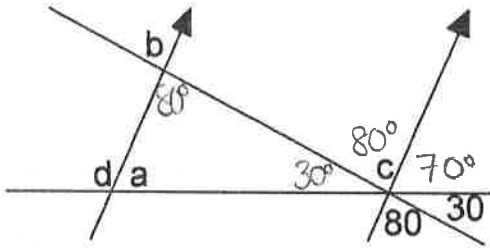
$$\begin{aligned} a &= 60^\circ \\ b &= 70^\circ \\ c &= 110^\circ \\ d &= 50^\circ \end{aligned}$$

4.



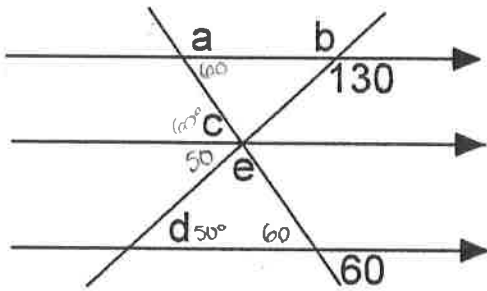
$$\begin{aligned} a &= 60^\circ \\ b &= 80^\circ \\ c &= 40^\circ \\ d &= 40^\circ \\ e &= 100^\circ \end{aligned}$$

5.



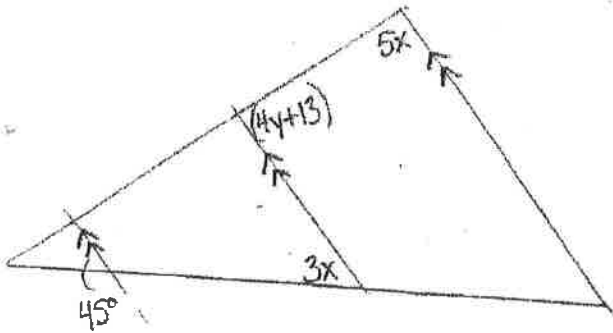
$a = 70^\circ$
$b = 80^\circ$
$c = 80^\circ$
$d = 110^\circ$

6.



$a = 120^\circ$
$b = 130^\circ$
$c = 60^\circ$
$d = 50^\circ$
$e = 70^\circ$

7.



$$\frac{3x}{3} = \frac{45}{3}$$

$$x = 15$$

$$4y + 13 + 75 = 180$$

$$4y + 88 = 180$$

$$\begin{array}{r} -88 \\ -88 \\ \hline 4y = 92 \\ \hline 4 \cdot 4 \quad y = 23 \end{array}$$

$x = 15$
$y = 23$

8. Write the equation of the line represented by the table.

x	y
2	1.40
4	2.80
6	4.20
8	5.60

$$m = \frac{2.80 - 1.40}{4 - 2} = \frac{1.40}{2} = .70$$

$$1.4 = .7(2) + b$$

$$1.4 = 1.4 + b$$

$$\begin{array}{r} -1.4 \quad -1.4 \\ \hline 0 = b \end{array}$$

$y = .70x + 0$ <p>or</p> $y = .7x$
