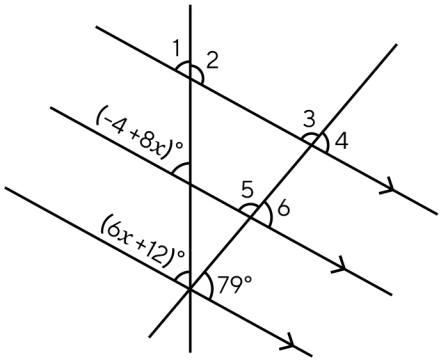
Parallel Lines Practice

MATH MONKS

Solve and find the value of the angles.

1.



x = _____

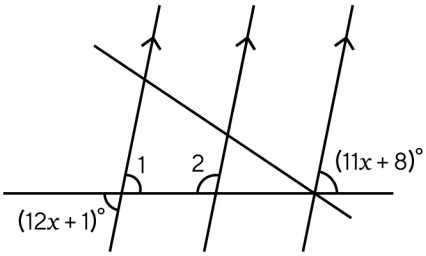
$(-4 + 8x)^\circ$ = _____ $\angle 3$ = _____

$(6x + 12)^\circ$ = _____ $\angle 4$ = _____

$\angle 1$ = _____ $\angle 5$ = _____

$\angle 2$ = _____ $\angle 6$ = _____

2.

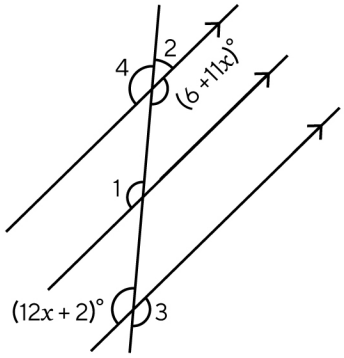


x = _____

$(12x + 1)^\circ$ = _____ $\angle 1$ = _____

$(11x + 8)^\circ$ = _____ $\angle 2$ = _____

3.



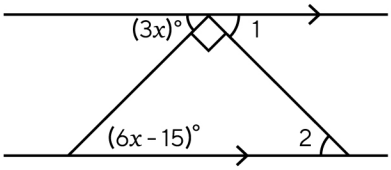
x = _____

$(6 + 11x)^\circ$ = _____ $\angle 2$ = _____

$(12x + 2)^\circ$ = _____ $\angle 3$ = _____

$\angle 1$ = _____ $\angle 4$ = _____

4.

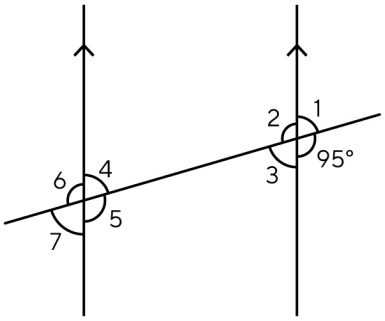


x = _____

$(3x)^\circ$ = _____ $\angle 1$ = _____

$(6x - 15)^\circ$ = _____ $\angle 2$ = _____

5.



$\angle 1$ = _____ $\angle 5$ = _____

$\angle 2$ = _____ $\angle 6$ = _____

$\angle 3$ = _____ $\angle 7$ = _____

$\angle 4$ = _____

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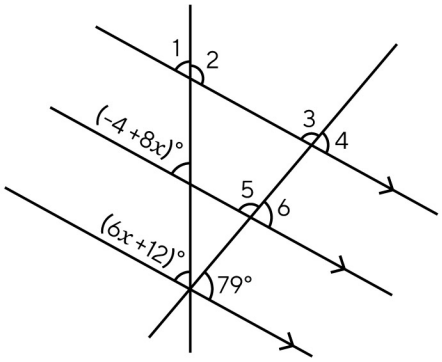
MATH MONKS

Answers

1.



x = 8°

$(-4 + 8x)^\circ$ = 60°

$(6x + 12)^\circ$ = 60°

$\angle 1$ = 60°

$\angle 2$ = 120°

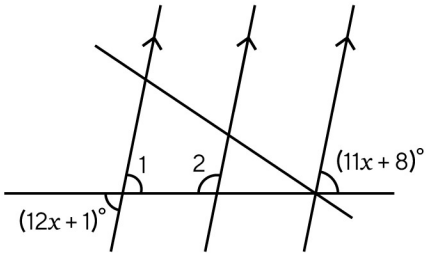
$\angle 3$ = 101°

$\angle 4$ = 79°

$\angle 5$ = 101°

$\angle 6$ = 79°

2.



x = 7°

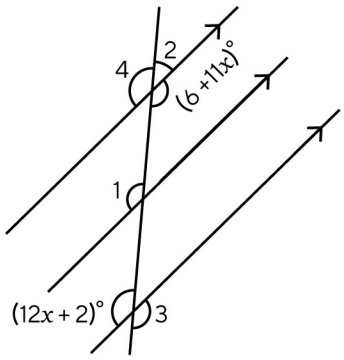
$(12x + 1)^\circ$ = 85°

$(11x + 8)^\circ$ = 85°

$\angle 1$ = 85°

$\angle 2$ = 95°

3.



x = 4°

$(6 + 11x)^\circ$ = 50°

$(12x + 2)^\circ$ = 50°

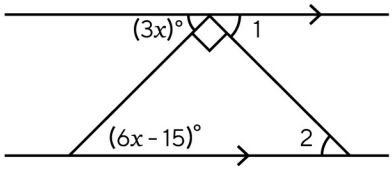
$\angle 1$ = 50°

$\angle 2$ = 130°

$\angle 3$ = 50°

$\angle 4$ = 50°

4.



x = 5°

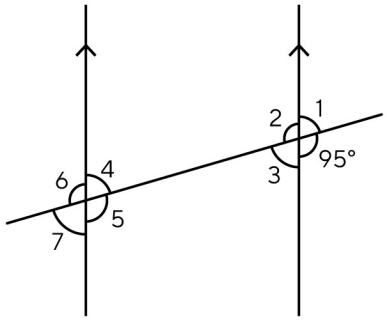
$(3x)^\circ$ = 15°

$(6x - 15)^\circ$ = 15°

$\angle 1$ = 75°

$\angle 2$ = 75°

5.



$\angle 1$ = 85°

$\angle 2$ = 95°

$\angle 3$ = 85°

$\angle 4$ = 85°

$\angle 5$ = 95°

$\angle 6$ = 95°

$\angle 7$ = 85°