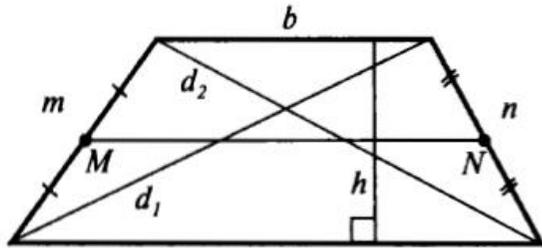


Геометрия. Блок №8. Трапеция

ТРАПЕЦИЯ

Так называется четырехугольник, у которого две стороны параллельны (основания), а две другие — не параллельны (боковые стороны). Трапеция с равными боковыми сторонами называется равнобокой (равнобедренной, равнобочной).

ЭЛЕМЕНТЫ ТРАПЕЦИИ

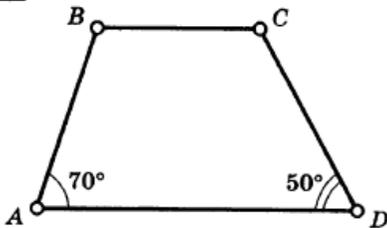


a, b — основания ($a \parallel b$),
 m, n — боковые стороны,
 d_1, d_2 — диагонали,

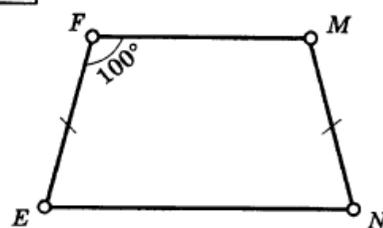
h — высота (отрезок, соединяющий основания и перпендикулярный им),
 MN — средняя линия (отрезок, соединяющий середины боковых сторон).

Задания для занятия. Найдите все углы трапеции

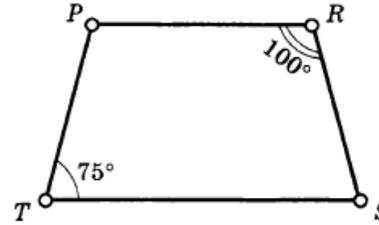
1



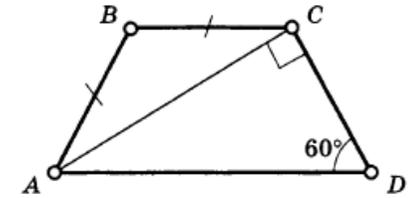
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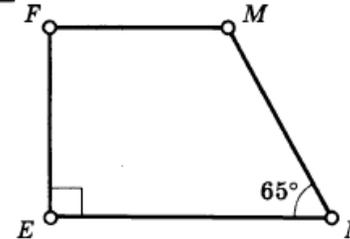
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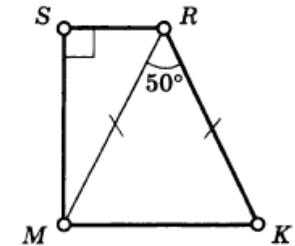
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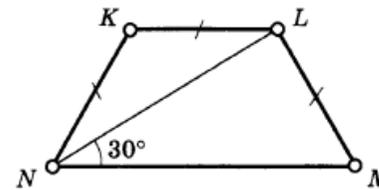
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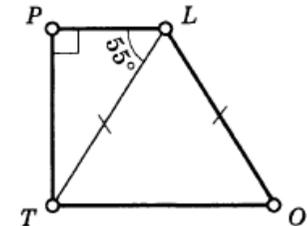
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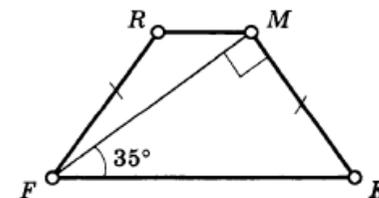
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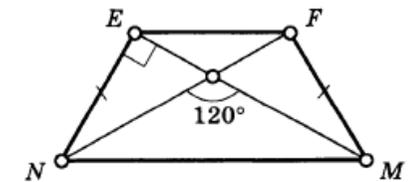
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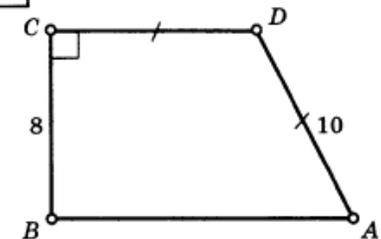
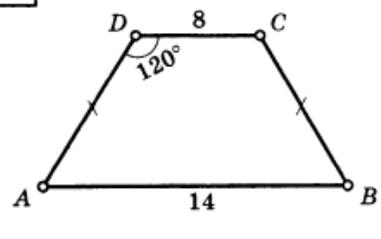
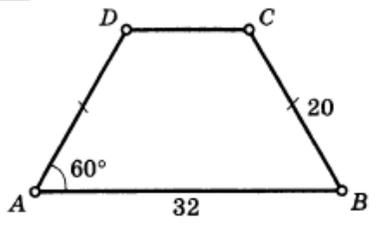
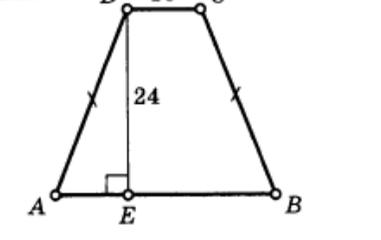
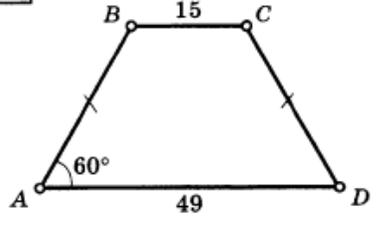
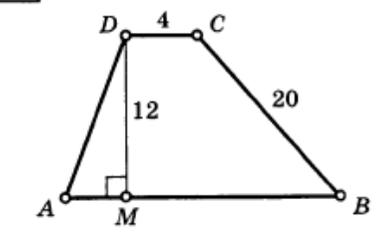
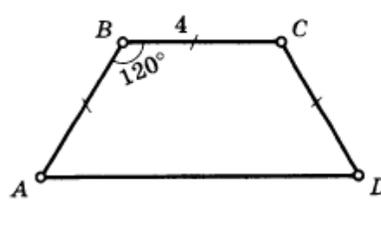
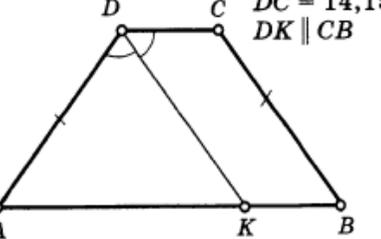
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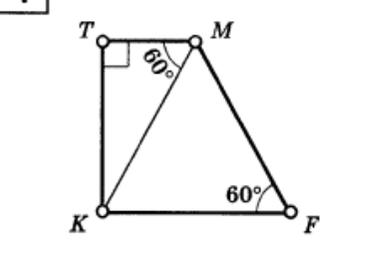
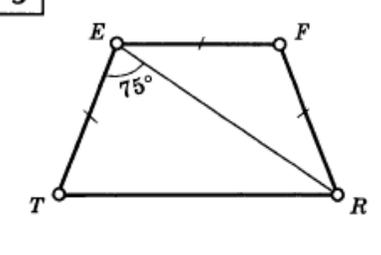
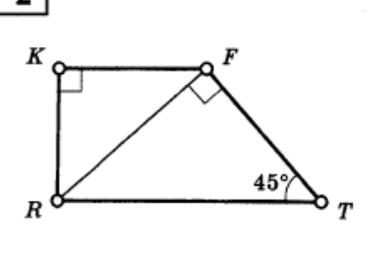
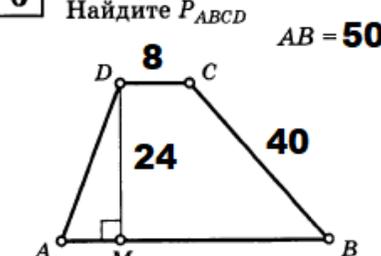
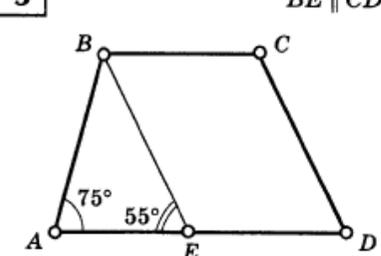
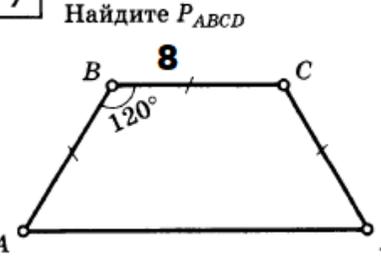
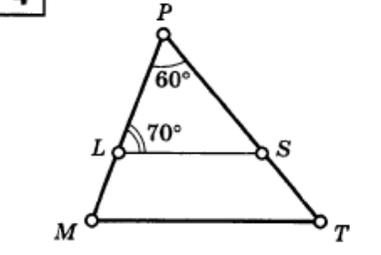
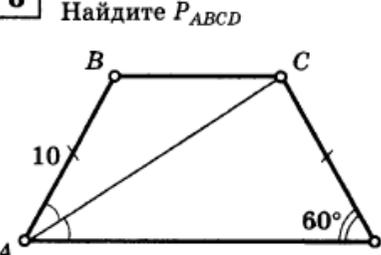
10



Найдите P_{ABCD} .

| | |
|---|---|
| <p>1</p>  | <p>5</p>  |
| <p>2</p>  | <p>6</p>  |
| <p>3</p>  | <p>7</p>  |
| <p>4</p>  | <p>8</p>  |

Домашнее задание. В задачах 1 – 5 найдите все углы трапеции, в задачах 6 – 8 – найдите периметр

| | |
|---|---|
| <p>1</p>  | <p>5</p>  |
| <p>2</p>  | <p>6</p> <p>Найдите P_{ABCD} $AB = 50$</p>  |
| <p>3</p>  | <p>7</p> <p>Найдите P_{ABCD}</p>  |
| <p>4</p>  | <p>8</p> <p>Найдите P_{ABCD}</p>  |