Домашнее задание учени\_\_\_ 8\_\_\_ класса \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**ОТРАЖЕНИЕ СВЕТА. ЗЕРКАЛА**

**Задание 1.**

Постройте отраженные лучи:



**Задание 2.**

Луч падает перпендикулярно зеркальной поверхности. Чему будет равен угол отражения?

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**Задание 3.**



**Задание 4.**

Почему в комнате светло и тогда, когда прямые солнечные лучи в ее окна не попадают?

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**Задание 5.**

Для чего при съемках внутри зданий фотографы применяют белые экраны?

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**Задание 6.**

Постройте изображение в плоском зеркале:



**Задание 7.**

В каком случае угол падения светового луча на зеркало меньше? Поясните ответ с помощью рисунка.



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**Задание 8.**

Угол между падающим и отраженным лучами составляет 500. Под каким углом к зеркалу падает свет? Сделайте пояснительный рисунок.

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**Задание 9. Отметьте верные утверждения (подчеркните)**

Если угол падения луча на зеркало 00, то

1. Он скользит вдоль поверхности зеркала.

2. Он падает перпендикулярно плоскости зеркала

3. Угол между плоскостью зеркала и отраженным лучом равен 00

4. Угол между перпендикуляром к плоскости зеркала и отраженным лучом равен 00

**Задание 10.**

