1. Modify the following statements to make them true.

Sound is (~~an acoustic~~ / a mechanical) motion of particles that is capable of producing (hearing / ~~an audiovisual~~) sensation.

The speed of sound in the air at normal temperature and pressure is approximately (340 / ~~1225~~) m/s.

The frequency range of sound that most people perceive is between (20 / ~~500~~) Hz and (~~2~~ / 20) kHz.

Decibel is (~~a mathematical~~ / a physical) unit used to measure (intensity / ~~polarization~~) of sound.

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2. Which three factors affect the resulting image contrast?

1. projector
2. projection area (screen)
3. light in the room (ambient light)

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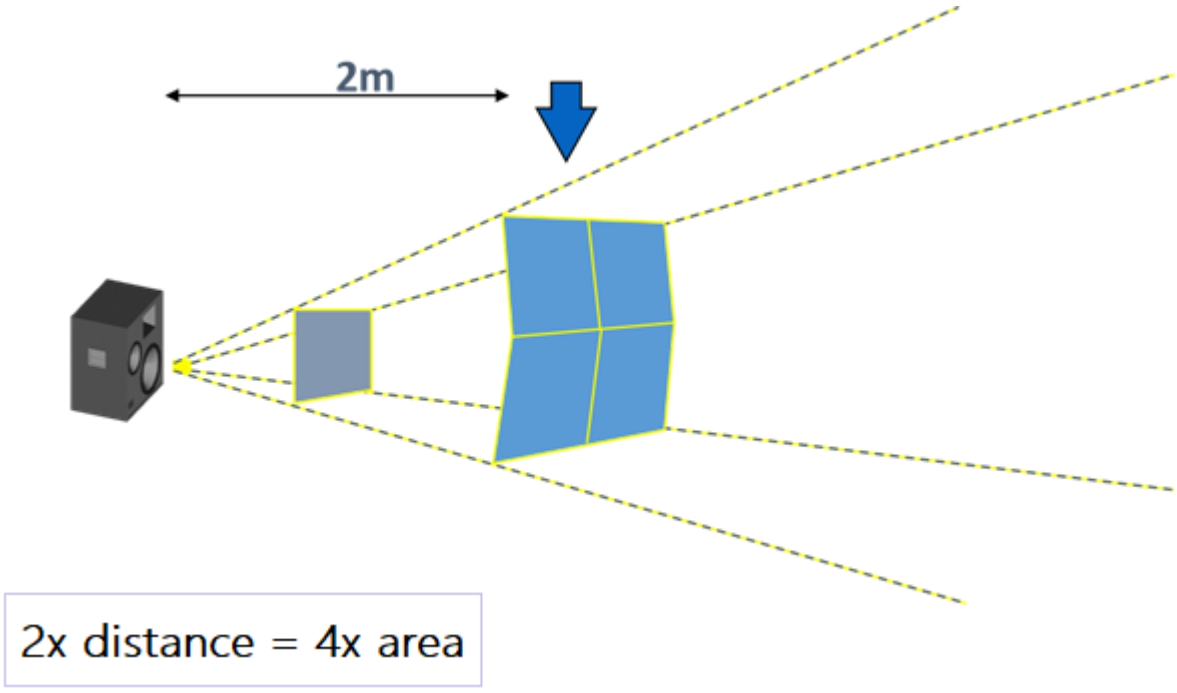
3. Add the correct labels to the image, according to the inverse square rule:



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4. Choose the right statements from the following options.

X **Contrast is the most important parameter of a projected image.**

☐ Large-screen imaging is done by using the so-called back reflection projector.

☐ A central controller is not an essential part of a control system.

X **Audioconferencing systems are assemblies of delegate units designed for quality discussion within a meeting room or auditorium.**

☐ Interpreting systems are not multichannel sound transmission systems.

X **Network infrastructure provides communication and data exchange between two communicating systems.**

X **Network infrastructure can be divided to active and passive elements.**

☐ Streaming is a technology of transferring audiovisual material between the source and the end user on customer's request.

X **Security of content distribution is a very important part of a storage management system.**

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5. Modify the following statements to make them true.

Loudspeakers should always be placed in the same plane (perpendicular / ~~parallel~~) to the axis going from the center of the sound.

High and central (frequency) loudspeakers should be positioned (~~at the height of legs~~ / at the level of ears).

Microphones should be placed (~~within direct reach~~ / outside direct reach) of loudspeakers.

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6. A control system consists of the following components:

1. central controller
2. user's interface
3. communication gates
4. environmental detectors
5. software and applications

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