Pythagoras and trigonometry in 3D

Exit ticket Name _____

1. In a cuboid, the diagonal of the base AC is 12 cm and the height is 5 cm. Find the angle θ between AG and the base.

2. A cuboid has a base 9 cm by 12 cm. Find the length of the diagonal of the base.

3. A cuboid is 6 cm by 8 cm by 10 cm tall. Find the angle θ between the diagonal AG and the base.

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