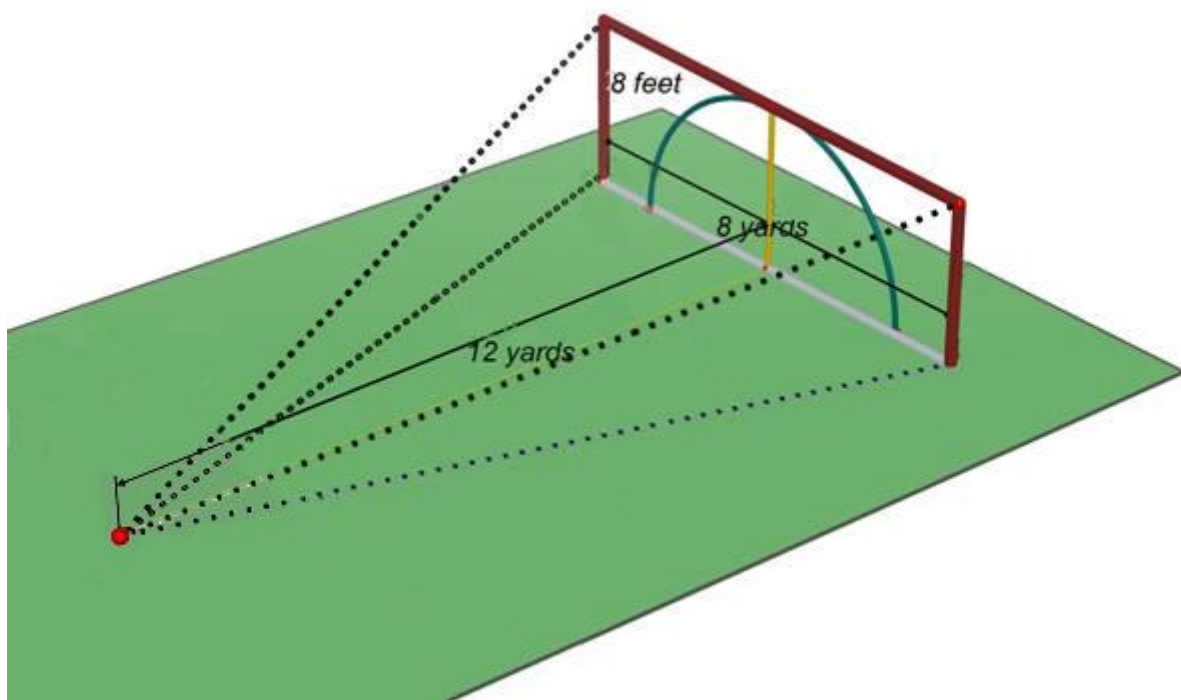


Activity 3: Penalties - Penalty area geometry

This is a 3-D diagram of the penalty area and the goalmouth. It's based on an interactive Cabri file. There's a video version of this diagram in the activity which you can move around and see the various triangles more clearly.



The official Rules of Football say that:

- The distance from the penalty spot to the goal line is 12 yards
- The width of the goal is 8 yards
- The height of the goal is 8 feet

The semi-circle shows roughly how far the goalkeeper can reach from the centre of the goal line.

The speed of a good strong penalty kick is about 60 mph (88 feet/sec) and the goalkeeper's reaction time is about a quarter of a second

Which parts of the goal should be easier to score in, and why?

What difference would a slower kick make?