## Unit 1 Lesson 6: Construction Techniques 4: Parallel and Perpendicular Lines

### 1 Math Talk: Transformations (Warm up)

#### Student Task Statement

Each pair of shapes is congruent. Mentally identify a transformation or sequence of transformations that could take one shape to the other.









### 2 Standing on the Shoulders of Giants

#### Images for Launch





#### Student Task Statement

Here is a line $m$ and a point $C$ *not* on the line. Use straightedge and compass moves to construct a line perpendicular to line $m$ that goes through point $C$. Be prepared to share your reasoning.



### 3 Parallel Constructions Challenge

#### Student Task Statement

Here is a line $m$ and a point $C$ *not* on the line. Use straightedge and compass moves to construct a line parallel to line $m$ that goes through point $C$.





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