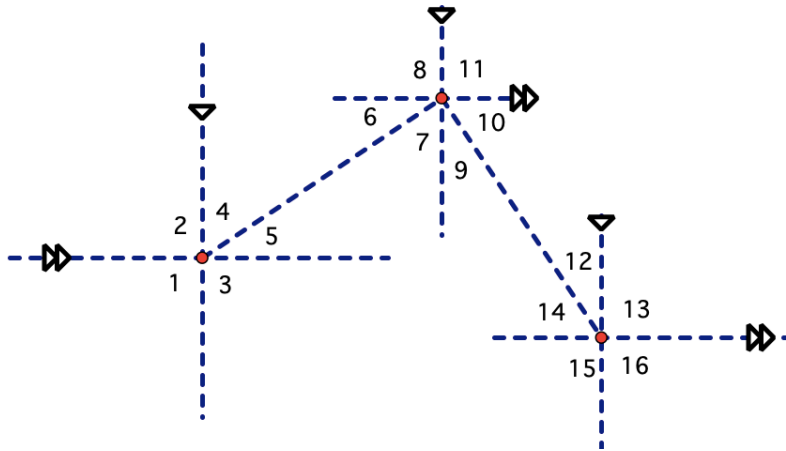


Warm-Up

1) Find all of the angles in the diagram below.

Given: $m\angle 4 = 50^\circ$, $m\angle 9 = 33^\circ$. Lines that appear perpendicular are perpendicular.



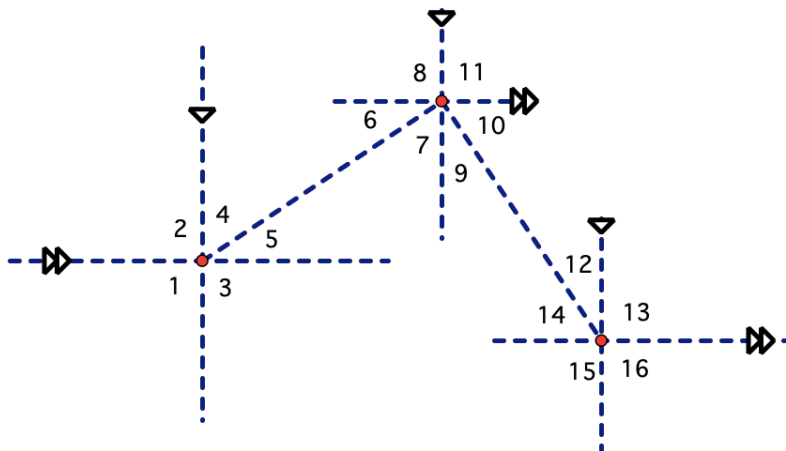
$m\angle 1 =$	$m\angle 2 =$
$m\angle 3 =$	$m\angle 4 =$
$m\angle 5 =$	$m\angle 6 =$
$m\angle 7 =$	$m\angle 8 =$
$m\angle 9 =$	$m\angle 10 =$
$m\angle 11 =$	$m\angle 12 =$
$m\angle 13 =$	$m\angle 14 =$
$m\angle 15 =$	$m\angle 16 =$

2) A ship leaves port on a heading of $N50^\circ E$ traveling at 12 knots for 4 hours. It then turns to a heading of $S33^\circ E$ traveling at 10 knots for 3 hours. Draw a diagram representing the ship's path.

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