

Info Gap: Lines

## Problem Card 1

Graph and write an equation for line  $n$ .

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## Data Card 1

- Line  $n$  intersects line  $r$  at  $x = 6$ .
- Line  $n$  passes through the point  $(3, -1)$ .
- Line  $n$  crosses the  $x$ -axis at  $x = 4.5$ .
- Line  $n$  is a translation of line  $\ell$ .

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## Problem Card 2

Graph and write an equation for line  $p$ .

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## Data Card 2

- Line  $p$  has the same  $x$ -intercept as line  $\ell$ .
- Line  $p$  is a  $90^\circ$  rotation of line  $r$  using  $(-0.8, 4.4)$  as a center.
- Line  $p$  intersects line  $r$ .
- Line  $p$  is perpendicular to line  $r$ .