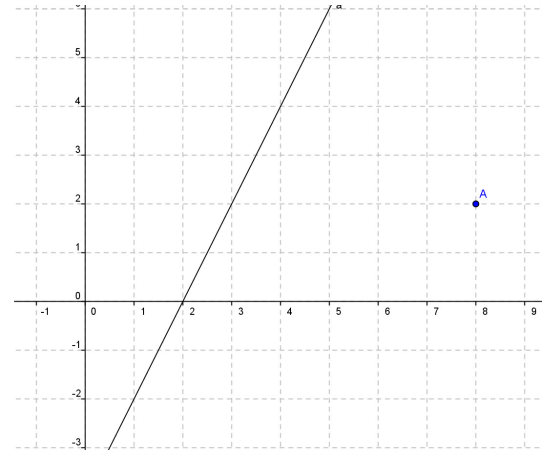


Pop quiz 7.8 Perpendicular Lines

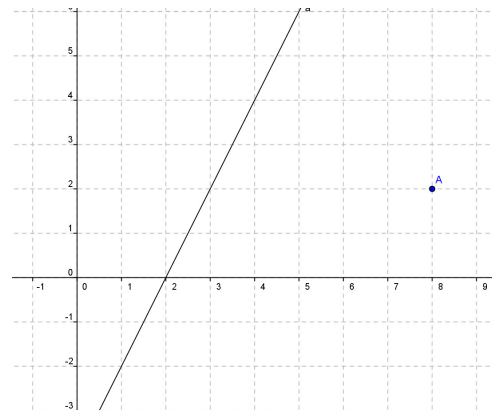
1. Line n has a slope of 3. If line b is perpendicular to line n , what must the slope of line b be equal to?
2. Line q is perpendicular to the equation $y = -\frac{1}{2}x + 4$. If line q must go through the point $(6,3)$, determine the equation of line q .



3. Determine the distance between point A and the line with equation $y = 2x - 4$

Pop quiz 7.8 Perpendicular Lines

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6. Determine the distance between point A and the line with equation $y = 2x - 4$